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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS), GLENVIE--ETC(U)
JUL 78

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LEVEL II (1)

DIRECTOR
NAVAL OCEANOGRAPHY AND METEOROLOGY

S M O S

(Summary of Meteorological Observations, Surface)

Prepared by
Naval Weather Service Detachment
Federal Building
Asheville, N. C. 28801

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12 DEC 1978
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19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Climatology, surface wind, temperature, precipitation, ceiling, visibility, relative humidity, station pressure, extreme temperatures, sea level pressure, daily temperature, weather conditions, monthly climatology, Naval shore facility, coastal region, snow depth, cloud cover, Glenview, Illinois.												
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure.												

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

STATION AND SUMMARY		STATION NAME	LONGITUDE		STATION ELEV (FT)	CALL SIGN	WMO NUMBER
14855		Glenview, Illinois	42°05'N	87°50'W	653	KNBU	

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF BATHY LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FEET	TYPE BAROMETER	
1.	Weather service office located in operations building	Navy	1948	1964	42°05'N	87°50'W	645	Mercurial	
2.	Weather service office	"	1964	1966	"	"	"	"	24
3.	"	"	1966	1975	"	"	"	"	24
1a.	"	"	1963	1972	"	"	648	Aneroid	24
2a.	"	"	1972		"	"	"	"	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1.	1948	Roof of control tower atop operations building	Selsyn	Triple	77.8'	1. Barograph (ML-3) 2. Semi-auto met sta (AN/GMQ-14B) 3. Ceiling light (ML-121) 4. Theodolite
2.	1954	Atop building #1, southeast corner	"	"	47.0'	5. Transmissometer (AN/GMQ-10C)
3.	1958	Selsyn replaced by Aerovane and moved to NE section of runways 17-35 and 07-25, 3000' N of weather office	UMQ-5C	RD-108B	18.0'	6. Radar Recorder (RO 415/GMH 6) 7. RVR computer (CV 2062/GMQ 10)
4.	1975	Moved to 1030 feet ENE of weather office adjacent to taxiway, west of runway 17-35	"	"	"	8. Cloud height set (GMQ 13C)

28 11 30 037

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

DIRNAVOCEANMET ltr 3146 Ser 1032 dated 26 August 1977 (NOTAL) established the following policy for SMOS production and updating:

1. Ten years of data will be used as the standard period of record (POR).
2. All available data will be used for extreme values.
3. Summarize (update) every five years.
 - a. Summarize the five year period (1973-1977) for all sections of the SMOS except extremes. The 5 year summary will be an intermediate SMOS to show secular trends. All available data through 1977 will be included for extreme values.
 - b. The update in 1983 will include the POR 1973 through 1982, with all available data through 1982 for extreme values.
 - c. The update in 1988 will be an intermediate SMOS (POR 1983-1987). All available data through 1987 will be included for extreme values.
 - d. In 1993 the POR will be 1983 through 1992. All available data through 1992 will be used for extreme values.

Each standard POR (10 years) summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

COMMENT: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during, the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of ".0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Weather Service Detachment (NWSD), Asheville, N. C. welcomes your comment and criticisms.

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

1. By month and annual, all hours and years combined.
2. By month and annual, all hours and years combined, by wind direction.
3. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WEAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than $5/8$ mile.

Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency of occurrences.

WEATHER CONDITIONS

JAN
MONTH73-77
YEARSGLENVIEW, ILLINOIS
STATION NAME14855
STATIONPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	00	1.3	5.8	1.9	12.3		19.4	15.5	3.9	2.6		21.9	155
	03	.6	4.5	1.3	12.3		17.4	16.8	5.2	1.9		22.6	155
	06		3.9	.6	13.5		17.4	17.4	5.2	2.6		24.5	155
	09		1.3	.6	17.4		19.4	16.8	9.7	3.2		27.1	155
	12		4.5	.6	9.7		14.8	14.2	12.3	3.2		27.7	155
	15		5.2		11.0		16.1	13.5	11.0	2.6		26.5	155
	18		5.2	1.9	9.7		15.5	16.8	7.1	.6		23.9	155
	21	1.3	5.2		10.3		15.5	14.8	3.9	1.3		20.0	155
TOTALS		.4	4.5	.9	12.0		16.9	15.7	7.3	2.3		24.3	1240

WEATHER CONDITIONS

14855

STATION GLENVIEW, ILLINOIS

73-77

STATION NAME

YEARS

FEB

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00		3.5		13.5		16.3	12.1	5.0			17.0	141
	03		4.3	1.4	14.9		20.6	14.2	5.7			19.9	141
	06		2.8	.7	14.9		18.4	16.4	3.5	1.4		22.7	141
	09		2.8		17.0		19.9	16.3	12.8	2.1		31.2	141
	12		4.3		10.6		14.9	9.9	12.8	1.4		22.7	141
	15		4.3		12.8		17.0	12.1	9.2			20.6	141
	18		2.8		9.9		12.8	11.3	7.8			18.4	141
	21		4.3	.7	12.8		16.3	12.1	2.8	.7		15.6	141
TOTALS			3.6	.4	13.3		17.0	13.3	7.5	.7		21.0	1128

WEATHER CONDITIONS

14855 GLENVIEW, ILLINOIS STATION NAME 73-77 YEARS MONTH MAR

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	00		11.6		7.7		16.1	16.8	2.6			19.4	155
	03		12.3	.6	7.7		19.4	17.4	2.6	.6		20.0	155
	06		9.0		5.2		13.5	25.8	6.5	.6		32.9	155
	09		7.1		5.2		12.3	16.7	13.5			32.3	155
	12	.6	11.6		2.6		14.2	14.8	11.6			25.8	155
	15		11.0		3.9		14.8	14.8	11.0			25.8	155
	18	.6	14.9		2.6		17.5	18.8	6.5			25.3	154
	21	2.6	16.8		7.1		21.9	20.6	2.6			23.2	155
TOTALS		.5	11.8	.1	5.3		16.5	18.5	7.1	.2		25.6	1239

WEATHER CONDITIONS

APR
MONTH

73-77
YEARS

GLENVIEW, ILLINOIS
STATION NAME

14855
STATION

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	00	.7	10.0		2.0		11.3	5.3	4.0	.7		9.3	150
	03	2.0	12.7		3.3		15.3	9.3	7.3	.7		16.7	150
	06	.7	12.0		2.7		14.0	18.7	6.7			25.3	150
	09		8.7		3.3		11.3	10.0	9.3			19.3	150
	12		10.0		2.7		12.0	6.7	8.0			14.7	150
	15	3.3	12.7		3.3		14.7	5.3	7.3			12.7	150
	18	2.0	9.3		1.3		10.7	6.0	4.0	.7		10.7	150
	21	2.7	8.0		2.0		10.0	5.3	5.3	.7		10.7	150
TOTALS		1.4	10.4		2.6		12.4	8.3	6.5	.4		14.9	1200

WEATHER CONDITIONS

14855

STATION GLENVIEW, ILLINOIS

73-77

YEARS

MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00	1.9	9.0				9.0	12.3	3.2			15.5	155
	03	1.9	7.7				7.7	16.1	5.8			21.9	155
	06	1.3	9.7				9.7	25.8	9.7			32.9	155
	09		10.3				10.3	13.5	11.0			23.9	155
	12	1.3	9.7				9.7	9.7	11.0			20.6	155
	15	1.3	10.3				10.3	9.0	7.1		.6	16.8	155
	18	1.9	9.7				9.7	10.3	5.2			15.5	155
	21	3.9	11.0				11.0	12.9	6.5			19.4	155
TOTALS		1.7	9.7				9.7	13.7	7.4		.1	20.8	1240

WEATHER CONDITIONS

JUN
MONTH73-77
YEARSGLENVIEW, ILLINOIS
STATION NAME14855
STATIONPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00	.7	4.7				4.7	8.0	3.3			11.3	150
	03	2.0	4.7				4.7	14.0	4.0			17.3	150
	06	.7	5.3				5.3	24.7	10.7			34.0	150
	09	1.3	5.3				5.3	9.3	16.0			25.3	150
	12		6.0				6.0	3.3	14.0			17.3	150
	15	4.0	7.3				7.3	2.7	8.0			10.7	150
	18	6.0	6.7				6.7	4.0	9.3			13.3	150
	21	5.3	7.3				7.3	8.7	6.0			14.7	150
TOTALS		2.5	5.9				5.9	9.3	8.9			18.0	1200

WEATHER CONDITIONS

14855 STATION

GLENVIEW, ILLINOIS

73-77

YEARS

JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00	2.6	7.1				7.1	7.7	12.9			20.0	155
	03	2.6	6.5				6.5	11.6	12.9			22.6	155
	06	4.5	5.2				5.2	17.4	19.4			33.5	155
	09	1.3	3.2				3.2	1.9	21.9			23.9	155
	12		1.9				1.9	3.2	13.5			16.1	155
	15		3.2				3.2	1.9	13.5			14.8	155
	18	3.2	5.8				5.8	1.3	12.3			13.5	155
	21	1.3	3.9				3.9	4.5	16.8			21.3	155
TOTALS		1.9	4.6				4.6	6.2	15.4			20.7	1240

WEATHER CONDITIONS

14855 STATION GLENVIEW, ILLINOIS 73-77 YEARS MONTH AUG

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00	2.6	5.2				5.2	12.3	15.5			25.8	155
	03	3.9	7.1				7.1	20.0	15.5			31.0	155
	06	1.9	6.5				6.5	32.3	25.2			50.3	155
	09	.6	9.7				9.7	5.2	31.0			36.1	155
	12		7.1				7.1	3.9	22.6			25.8	155
	15	2.6	9.0				9.0	4.5	20.6			24.5	155
	18		4.5				4.5	6.5	17.4			23.2	155
	21	1.3	3.9				3.9	6.5	19.4			25.8	155
TOTALS		1.6	6.6				6.6	11.4	20.9			30.3	1240

WEATHER CONDITIONS

SEP
MONTH73-77
YEARS14855 GLENVIEW, ILLINOIS
STATION NAME

STATION

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00	2.0	8.7				8.7	12.0	7.3			18.0	150
	03		9.3				9.3	16.7	6.0			20.7	150
	06		8.0				8.0	31.3	10.7			40.0	150
	09	.7	6.7				6.7	10.0	17.3			27.3	150
	12		6.7				6.7	6.7	13.3			20.0	150
	15	.7	10.0				10.0	8.0	11.3			18.7	150
	18	1.3	6.0				6.0	8.7	13.3			20.7	150
	21	1.3	6.0				6.0	6.0	9.3			15.3	150
TOTALS		.8	7.7				7.7	12.4	11.1			22.6	1200

WEATHER CONDITIONS

14855

STATION GLENVIEW, ILLINOIS

73-77

STATION NAME

YEARS

OCT

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	00	.6	9.0				9.0	17.4	1.3			17.4	155
	03		9.0				9.0	18.1	3.9			19.4	155
	06		4.5		.6		5.2	27.1	5.8			31.0	155
	09		5.8				5.8	14.2	12.9			26.5	155
	12		6.5				6.5	7.1	8.4			15.5	155
	15	.6	7.7		.6		7.7	8.4	5.8			14.2	155
	18		10.3				10.3	11.6	8.4			18.7	155
	21		9.0		1.3		10.3	11.6	2.6			14.2	155
TOTALS		.2	7.7		.3		8.0	14.4	6.1			19.6	1240

WEATHER CONDITIONS

14855 STATION GLENVIEW, ILLINOIS 73-77 YEARS NOV MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00		6.7		4.7		10.7	13.3	.7			13.3	150
	03	.7	7.3		6.7		14.0	15.3	.7			15.3	150
	06		6.7		6.0		12.7	21.3	.7			21.3	150
	09		7.3		6.7		13.3	21.3	8.7			28.7	150
	12		8.7		4.0		12.7	12.0	9.3			21.3	150
	15		5.3		5.3		10.7	11.3	6.7			18.0	150
	18		9.3		4.7		13.3	11.3	5.3			16.7	150
	21		12.0		6.0		16.7	13.3	1.3			14.0	150
TOTALS		.1	7.9		5.5		13.0	14.9	4.2			18.6	1200

WEATHER CONDITIONS

14855 STATION GLENVIEW, ILLINOIS 73-77 YEARS MONTH DEC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00		8.4		13.5		21.3	18.7	1.3	.6		20.6	155
	03		7.1		16.1		23.2	23.9	2.6	1.9		27.7	155
	06		5.8	1.3	18.1		23.9	29.0	1.3	2.6		32.9	155
	09		1.9	.6	17.4		20.0	27.7	7.7	1.9		37.4	155
	12		3.9		16.8		20.0	21.9	11.6	1.9		35.5	155
	15		3.2		15.5		18.7	14.8	10.3	.6		25.8	155
	18		6.5	.6	14.2		20.0	17.4	7.1	.6		25.2	155
	21		6.5		12.3		17.4	16.1	1.3	.6		18.1	155
TOTALS			5.4	.3	15.5		20.6	21.2	5.4	1.3		27.9	1240

WEATHER CONDITIONS

ALL
MONTH73-77
YEARSGLENVIEW, ILLINOIS
STATION NAME14855
STATIONPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.4	4.5	.9	12.0		16.9	15.7	7.3	2.3		24.3	1240
FEB			3.6	.4	13.3		17.0	13.3	7.5	.7		21.0	1128
MAR		.5	11.8	.1	5.3		16.5	18.5	7.1	.2		25.6	1239
APR		1.4	10.4		2.6		12.4	8.3	6.5	.4		14.9	1200
MAY		1.7	9.7				9.7	13.7	7.4		.1	20.8	1240
JUN		2.5	5.9				5.9	9.3	8.9			18.0	1200
JUL		1.9	4.6				4.6	6.2	15.4			20.7	1240
AUG		1.6	6.6				6.6	11.4	20.9			30.3	1240
SEP		.8	7.7				7.7	12.4	11.1			22.6	1200
OCT		.2	7.7		.3		8.0	14.4	6.1			19.6	1240
NOV		.1	7.9		5.5		13.0	14.9	4.2			18.6	1200
DEC			5.4	.3	15.5		20.6	21.2	5.4	1.3		27.9	1240
TOTALS		.9	7.1	.1	4.5		11.6	13.3	9.0	.4	.0	22.0	14607

WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

5701 WEATHER CONDITIONS JAN 68

STATION 14855 GLENVIEW, ILLINOIS STATION NAME YEARS 49-77 MONTH ALL

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	1.5	22.1	8.5	49.0		60.1	35.7	49.3	9.4		65.9	868
FEB		1.4	22.4	5.3	44.8		56.6	36.5	50.4	6.7	.1	60.8	791
MAR		6.6	34.3	2.5	37.6	1.2	59.7	37.8	47.6	4.4	.1	62.1	868
APR		14.3	51.8	.5	11.1	1.2	56.3	33.2	44.8	.7	.5	55.5	840
MAY		15.4	49.1		1.5	.7	49.3	31.5	42.1		.2	51.5	868
JUN		22.6	45.7			.5	45.7	32.9	52.0		.4	59.6	840
JUL		20.5	43.7			.6	43.7	37.8	54.5			62.9	868
AUG		16.9	38.5			.1	38.5	46.8	62.2			69.1	868
SEP		13.9	42.3			.5	42.3	39.9	52.0			60.8	840
OCT		4.9	36.9		3.4		37.9	38.9	46.6			57.9	875
NOV		2.9	33.6	.2	24.0	.3	50.2	36.8	47.7	2.1		59.9	858
DEC		1.6	26.1	4.0	44.1	.1	59.8	41.9	50.4	4.9		65.7	898
TOTALS		10.2	37.2	1.7	16.0	.4	50.0	37.5	50.0	2.3	.1	61.0	10282

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

14855 STATION GLENVIEW, ILLINOIS JAN 1973 - DEC 1977 YEARS MONTH ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.7		1.7			31.0			22.4		3.4	6.9		41.4
NNE	9.1					18.2			54.5					45.5
NE	7.1					35.7			28.6			7.1		35.7
ENE	13.6	4.5	9.1	4.5		36.4		4.5	45.3		13.6	13.6		22.7
E	6.3	3.1	3.1	3.1		9.4		3.1	34.4		21.9	3.1		37.5
ESE	7.1	7.1	3.6					7.1	25.0	7.1	14.3			50.0
SE	6.3								25.0		18.8			68.8
SSE	4.5	4.5	4.5	4.5		22.7		4.5	31.6	9.1	4.5			27.3
S	9.6	2.4	3.6	3.6		10.8			24.1	3.6	7.2	1.2		57.8
SSW	1.6		2.4			14.4			16.8		6.4	.8		66.4
SW		1.0	2.0	2.0		15.5			14.9		7.9	2.0		67.3
WSW	1.3		1.5			6.8			9.8		9.1	.8		77.3
W	.4		1.3	.3		9.3			3.8		2.1	3.8		81.9
WNW	.9	.9	1.8	.9		4.5			8.1		1.8	.9		86.5
NW						11.4			5.1		2.5	3.8		81.0
NNW	2.7					16.4			12.3		1.4	1.4		75.3
VARIABLE														
CALM	5.2		2.1			4.3			21.9	5.2	1.1			60.4
TOTAL	33	9	23	11		149		5	183	12	67	28		850
% TOTAL	2.7	.7	1.9	.9		12.0		.4	14.8	1.0	5.4	2.3		68.5

TOTAL NUMBER OF OBSERVATIONS 1,240

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

14855

STATION NAME
GLENVIEW, ILLINOIS

JAN 1973 - DEC 1977

FEBRUARY

ALL

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	5.9		2.0			25.5			39.2		3.9	3.9		51.0
NNE	6.3	3.1			3.1	34.4			34.4		6.3			43.6
NE	6.8		3.4			25.4			18.6		3.4			61.0
ENE	3.6	1.8	5.5	1.6		20.0			20.0		3.6			54.5
E	6.2					10.8			6.2		9.2	1.5		67.7
ESE						21.1			5.3	5.3	10.5			36.8
SE	5.3	5.3				5.3			15.8	5.3	5.3			57.9
SSE						9.1				4.5	13.6			81.8
S		1.9				7.5			1.9		1.9			83.0
SSW	2.2	1.1	1.1			6.9			5.6	3.3	4.4			72.2
SW	2.0		3.0	2.0		7.9			10.9	2.0	11.9			70.3
WSW	2.7					10.7			14.7		9.3			72.0
W						6.8			6.1		3.4			85.1
WNW						9.3			6.5		4.7			85.0
NW						18.6			4.3		2.9	2.9		78.6
NNW			4.5	1.5		22.7			9.1		7.6	4.5		63.6
VARIABLE														
CALM	1.0		4.2			16.4			21.9	7.3	2.1			63.5
TOTAL	23	5	17	4	1	150			135	15	64	8		795
% TOTAL	2.0	.4	1.5	.4	.1	13.3			12.0	1.3	5.7	.7		70.5

TOTAL NUMBER OF OBSERVATIONS

1,128

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

14835

STATION NAME
GLENVIEW, ILLINOIS

JAN 1973 - DEC 1977

MONTH
MARCH

ALL

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	5.0	3.8	3.8			7.7			23.1		3.8	1.9		71.2
NNE	2.8	4.2	1.4			8.5		1.4	19.7	1.4	4.2			69.0
NE	11.1	1.6	6.3			14.3			36.5		3.2			54.0
ENE	10.8	7.7	12.3	1.5		6.2			32.3		1.5			52.3
E	9.4	7.3	5.2		2.1	3.1		1.0	30.2		10.4			53.1
ESE	4.9	12.2	2.4		4.9	2.4		2.4	29.3		14.6			41.5
SE	17.4	6.5	4.3					2.2	21.7		8.7			54.3
SSE	12.5	9.4						3.1	21.9		9.4			56.3
S	6.1	2.7	1.4			1.4			8.1	2.7	10.8			66.2
SSW	4.1	1.4	1.4			1.4			9.6		12.3			74.0
SW	1.1	4.2	1.1			4.2		1.1	5.3	1.1	3.2			81.1
WSW	5.7	2.9	1.4			3.7			8.6	1.4	5.7			72.9
W	.9	.9	1.8			4.4			11.3					85.0
WNW	2.2		2.2			7.9			7.9		1.1	1.1		83.1
NW	4.3					6.5			4.8		4.8			80.6
NNW		1.9	1.5			9.4			11.3	1.9	9.4			71.7
VARIABLE														
CALM	3.3	1.4	3.5			2.1			26.4	2.8	8.3			54.0
TOTAL	67	42	37	1	4	61		6	219	10	76	2		839
% TOTAL	5.4	3.4	3.0	.1	.3	4.9		.5	17.7	.8	6.1	.2		67.7

TOTAL NUMBER OF OBSERVATIONS

1,239

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

14855 STATION GLENVIEW, ILLINOIS JAN 1973 - DEC 1977 APRIL ALL
STATION NAME YEARS MONTH HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	4.7	4.7	3.1			6.3		1.6	9.4		1.6	1.6		81.3
NNE	1.8	3.6				1.8		.9	6.3		5.4	.9		84.7
NE	10.3	5.2	2.1		2.1	10.3		1.0	10.3		2.1			69.1
ENE		7.9	1.3			1.3		2.6	6.6		5.3			81.6
E	4.9	8.5						2.4	6.1		12.2			74.4
ESE	12.3	3.6	3.6			5.4			16.1	3.6	17.9			55.4
SE		6.9							10.3	3.4	17.2			62.1
SSE	5.4	5.4							13.5	2.7	5.4			75.7
S	3.2	11.7						2.1	12.8		9.6			69.1
SSW	3.7	15.9	2.4					3.7	7.3	1.2	4.9			72.0
SW		5.3						2.6	1.3	1.3	5.3			86.8
WSW	1.6	1.6	1.6					1.6	1.6	1.6	4.9			90.2
W	5.2	5.2				1.3		2.6	2.6		3.9			64.4
WNW	4.3					2.1			2.1					93.6
NW	6.3	3.1	3.1			15.6			6.3			3.1		71.9
NNW	3.8		3.8			3.8			3.8			3.8		88.5
VARIABLE														
CALM	2.0	7.7				7.7			6.5	4.6	6.5			81.0
TOTAL	47	66	12		2	29		17	86	14	73	4		937
% TOTAL	3.9	5.5	1.0		.2	2.4		1.4	7.2	1.2	6.1	.3		78.1

TOTAL NUMBER OF OBSERVATIONS 1,200

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

14855

GLENVIEW, ILLINOIS

JAN 1973 - DEC 1977

MAY

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	3.6	7.1						1.8	21.4		3.6			69.6
NNE	1.8	4.4	.9					.9	18.4		5.3			73.7
NE	3.2	7.4	2.1					1.1	10.5	4.2	3.2			76.8
ENE	4.3	4.3	1.1						14.0	2.2	4.3			76.3
E	6.3	11.7	.9					2.7	20.7	4.5	7.2			60.4
ESE	2.1	10.6						4.3	8.5		17.0			66.0
SE		10.7						3.6	7.1		14.3			75.0
SSE	4.3	18.2						9.1	13.6		4.5			59.1
S	1.6	16.1	1.6					8.1	9.7	3.2	19.4			54.8
SSW	1.4	12.9						1.4	7.1	5.7	14.3			60.0
SW		5.5	1.4					1.4	5.5	1.4	5.3		1.4	84.9
WSW		4.7						2.3	2.3	2.3	3.5			86.0
W		2.0	1.0					1.0	1.0		5.0			92.0
WNW	1.8	1.8						1.8	3.6		5.5			89.1
NW	3.6	7.1	3.6						7.1	3.6				85.7
NNW		12.5								12.5				75.0
VARIABLE														
CALM	3.3	3.8						3.3	18.3	3.8	4.2			89.0
TOTAL	25	86	9					23	129	41	88		1	915
% TOTAL	2.0	6.9	.7					1.9	10.4	3.3	7.1		.1	73.8

TOTAL NUMBER OF OBSERVATIONS

1,240

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

14855

STATION GLENVIEW, ILLINOIS

JAN 1973 - DEC 1977

MONTH JUNE

ALL

HOURS (L.S.T.)

STATION NAME

YEARS

5708% FREQ. WIND R. VS WEATHER JAN 68

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		3.4	1.7					1.7	15.3					78.0
NNE		2.8	1.4					4.2	9.7	5.6	6.9			73.6
NE		1.5	1.5						7.6	1.5	7.6			83.3
ENE		7.8						4.7	3.1	1.6	10.9			76.6
E		7.8						3.9	7.8		17.6			66.7
ESE	3.1	6.3						3.1	9.4	9.4	3.1			71.9
SE		13.3						3.3	13.3		20.0			56.7
SSE		18.8						9.4	12.5		18.8			56.3
S	1.3	16.7	1.3					3.1	6.4	3.8	15.4			57.7
SSW	1.1	7.4						1.1	6.4	3.2	10.6			73.4
SW	1.0	2.0							4.0	1.0	6.9			86.1
WSW		2.1						2.1	2.1	3.1	6.3			85.4
W		2.9						2.9	.7		2.2			94.9
WNW		5.9						2.9			5.9			88.2
NW		10.0						3.0	5.0		10.0			85.0
NNW		8.3						8.3			8.3			83.3
VARIABLE														
CALM		1.4						1.4	6.2	11.0	7.7			73.7
TOTAL	4	63	4					30	70	42	99			930
% TOTAL	.3	5.3	.3					2.5	5.8	3.5	8.3			77.5

TOTAL NUMBER OF OBSERVATIONS

1,200

NAVWEASERYCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

14855 STATION NAME GLENVIEW, ILLINOIS JAN 1973 - DEC 1977 MONTH JULY ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		10.0						4.0	10.0	12.0	12.0			62.0
NNE		1.7							6.8		6.8			86.4
NE		1.7						1.7	3.4	3.4	10.2			78.0
ENE		2.8	1.4					1.4	4.2		8.5			87.3
E									4.1		24.3			71.6
ESE		2.9									11.4			82.9
SE		4.3						8.7	4.3		17.4			78.3
SSE		7.7						7.7	7.7		15.4			69.2
S		6.8	1.4					2.7	1.4	4.1	23.3			65.8
SSW	2.3	4.7						2.3	3.5		10.5			80.2
SW		2.1	2.1					1.0	5.2	2.1	18.8			69.8
WSW	.9	3.7						1.8	1.8		22.0			72.5
W		5.5						2.1	.7	3.4	11.6			78.8
WNW		6.5						2.2	2.2	2.2	10.9			78.3
NW		3.1						3.1						96.9
NNW	6.7	3.3	3.3					6.7	13.3	3.3				73.3
VARIABLE														
CALM	4.4	2.9						1.3	1.7	7.1	16.7			74.8
TOTAL	5	47	3					24	40	37	175			944
% TOTAL	.5	3.8	.4					1.9	3.2	3.0	14.1			76.1

TOTAL NUMBER OF OBSERVATIONS 1,240

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

14855 STATION GLENVIEW, ILLINOIS JAN 1973 - DEC 1977 MONTH ALL
STATION NAME YEARS MONTH HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.9	11.1						3.7	14.8		11.1			70.4
NNE		8.7							13.0	4.3	13.0			69.6
NE		5.2							3.4		8.6			84.5
ENE		3.2						1.6	6.5		6.5			87.1
E	2.9	4.3	1.4						13.0	1.4	13.0			71.0
ESE			2.6						10.5	15.8	28.9			55.3
SE		5.6							16.7	5.6	16.7			55.6
SSE										5.9	23.5			64.7
S	2.0	5.0						1.0	2.0	2.0	37.0			53.0
SSW	2.3	7.6						3.0	6.1	4.5	34.1			50.8
SW	1.0	3.8							1.9	1.9	34.3			58.1
WSW		5.7	1.1					2.3	3.4	1.1	17.0			70.5
W	1.2	8.2						2.4	8.2	2.4	4.7			76.5
WNW		18.2						6.1		3.0	9.1			72.7
NW		9.1	3.0					3.0	6.1	6.1	6.1			75.8
NNW	3.0	6.1	3.0					6.1	6.1	6.1	9.1			72.7
VARIABLE														
CALM								1.1	7.8	10.8	15.2			87.3
TOTAL	11	66	5					20	83	58	234			826
% TOTAL	.9	5.3	.4					1.6	6.7	4.7	18.9			66.6

TOTAL NUMBER OF OBSERVATIONS 1,240

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

14855 GLENVIEW, ILLINOIS JAN 1973 - DEC 1977 SEPTEMBER ALL
STATION NAME YEARS MONTH HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET "SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	6.8	5.1	3.4						15.3	3.4	3.4			71.2
NNE	5.7	3.8	1.9						11.3	5.7	1.9			77.4
NE	5.1	1.7	1.7						18.6		1.7			78.0
ENE		1.8	1.8						8.8	1.8	7.0			82.5
E	14.0	3.5	3.5					1.8	17.9	1.8	10.5			64.9
ESE	3.1	3.1	6.3					3.1	18.8	3.1	18.8			50.0
SE	11.1	11.1	5.6					5.6	16.7	16.7	22.2			44.4
SSE	9.1	9.1							9.1	9.1	22.7			54.5
S	1.7	6.0						.9	6.0	6.0	17.2			65.5
SSW	3.2	4.2						1.1	7.4	4.2	14.7			66.3
SW			1.6						3.2	4.8	14.5			74.2
WSW	1.4	1.4						1.4	7.2	1.4	11.6			79.7
W		1.9						1.0	2.9		12.6			83.5
WNW	1.3	6.5						1.3	1.3	1.3	6.5			87.0
NW		4.5						2.3		2.3	6.8			86.4
NNW	4.7	2.3	2.3						7.0	2.3	2.3			81.4
VARIABLE	6.5	1.7	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
CALM														
TOTAL	38	40	14					9	100	49	120			886
% TOTAL	3.2	3.3	1.2					.8	8.3	4.1	10.0			73.8

TOTAL NUMBER OF OBSERVATIONS 1,200

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

14855 STATION GLENVIEW, ILLINOIS JAN 1973 - DEC 1977 MONTH OCTOBER ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	13.6	1.7	6.5						16.9	1.7	5.1			71.2
NNE	5.5	3.6	1.8			1.8		1.8	20.0		3.6			74.5
NE	12.5	4.2				2.1			14.6		6.3			68.8
ENE		4.5	9.1						4.5		9.1			77.3
E	2.9	5.7							14.3		8.6			71.4
ESE	27.6								34.5		10.3			44.8
SE									7.1		14.3			78.6
SSE	16.7	8.3				4.2			16.7	4.2	16.7			45.8
S	3.3	1.3							10.2	3.8	12.7			72.6
SSW	3.2	7.2							12.8	1.6	5.6			73.6
SW	2.0	2.0							3.1	5.1	3.1			85.7
WSW	1.5	1.5								4.5	3.0			87.9
W	.9	3.7						.9	4.7		2.8			89.8
WNW	1.9		1.9						5.6					92.6
NW	3.0		1.5			1.5			6.1					90.9
NNW	3.5		3.5						7.0					91.2
VARIABLE														
CALM		1.3							10.3	17.0	5.8			87.9
TOTAL	51	31	14			4		2	123	56	70			950
% TOTAL	4.1	2.5	1.1			.3		.2	9.9	4.5	5.6			76.6

TOTAL NUMBER OF OBSERVATIONS 1,240

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

14955 STATION NAME GLENVIEW, ILLINOIS JAN 1973 - DEC 1977 YEARS MONTH NOVEMBER ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	9.5		4.8			7.1			16.7					71.4
NNE	7.7	3.8	7.7			11.5			30.8		7.7			50.0
NE	11.1	5.6	5.6			5.6			44.4					44.4
ENE	4.5	4.5	4.5			9.1			22.7	9.1	4.3			59.1
E	4.3					26.1			17.4	8.7	15.4			43.5
ESE	23.1								7.7	15.4	15.4			61.5
SE	17.6	11.8							17.6	5.9	23.5			35.3
SSE	5.9	11.8							5.9	5.9	23.5			41.2
S	2.7	7.3	3.6			5.9		.9	20.0	.9	5.5			64.5
SSW	4.9	4.1	2.5			1.6			14.8	1.6	4.9			71.3
SW	2.1	3.1				2.1			17.7	1.0	5.2			71.9
WSW	1.9	1.9	1.9			12.5			6.7	1.9	1.0			76.9
W	1.1		.5			4.9			1.6	1.1	1.1			90.2
WNW	1.2	1.2	1.2			2.4			3.6					94.0
NW	2.5	1.2	2.5			7.4			3.7		3.7			84.0
NNW	6.9		2.5			7.6			5.1	1.3	1.3			79.7
VARIABLE														
CALM	1.6	1.6	1.6			1.6			18.3	11.1	6.2			64.2
TOTAL	43	28	24		1	66		1	144	35	47			882
% TOTAL	3.6	2.3	2.0		.1	5.5		.1	12.0	2.9	3.9			73.5

TOTAL NUMBER OF OBSERVATIONS 1,200

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

14855 STATION GLENVIEW, ILLINOIS JAN 1973 - DEC 1977 YEARS MONTH DECEMBER ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		2.2	4.4			28.9			33.3					53.3
NNE	14.7					14.7			32.4	2.9				52.9
NE	3.2					29.0			22.6		3.2	12.9		48.4
ENE						22.2			16.7		11.1			55.6
E	8.2		10.2	4.1		20.4			42.9	2.0	10.2			36.7
ESE	11.1		3.7			11.1			29.6	3.7	11.1			48.1
SE	4.3	4.3	8.7			8.7			30.4		17.4			52.2
SSE	2.7		2.7			16.2			10.8	2.7	16.2			54.1
S	4.2	1.0				8.3			17.7	2.1	6.3			66.7
SSW	1.8	.9	4.4			2.6			14.0	1.8	9.6			69.3
SW		4.9	1.0			8.7			23.3	3.9	2.9			65.0
WSW		1.0	1.9			17.3			16.3		5.8	1.9		68.3
W	1.2					18.3			10.4		3.7	3.7		70.1
WNW		1.0	1.0			13.1			11.1		4.0	3.0		72.7
NW	2.4					20.5			7.2	1.2	1.2	1.2		75.9
NNW	5.8	1.4		1.4		24.6			15.9			1.4		65.2
VARIABLE														
CALM	3.5	1.4	1.7	1.7		17.4			31.9	6.3	4.2			56.7
TOTAL	34	14	21	4		192			241	22	64	17		779
% TOTAL	2.7	1.1	1.7	.3		15.5			19.4	1.8	5.2	1.4		62.8

TOTAL NUMBER OF OBSERVATIONS 1,240

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

14855

STATION NAME
GLENVIEW, ILLINDIS

JAN 1973 - DEC 1977

ALL MONTH

ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	4.5	4.2	2.8			8.5		1.1	19.4	1.4	4.0	1.2		66.4
NNE	3.2	3.7	1.0		.1	4.4		1.0	16.4	1.6	5.4	.1		72.4
NE	5.5	3.3	1.9		.3	7.5		.4	15.0	1.0	4.5	.7		70.0
ENE	2.7	4.6	3.2	.5		4.8		1.3	13.2	1.0	6.2	.5		72.4
E	5.6	5.2	2.0	.4	.3	3.9		1.3	17.2	1.3	12.4	.3		62.0
ESE	7.1	4.5	2.0		.5	2.8		1.8	16.4	4.5	15.1			56.2
SE	5.7	7.1	1.8			1.1		2.1	15.7	2.5	15.7			59.8
SSE	5.4	7.7	.7	.3		5.1		2.7	12.8	3.4	13.8			57.6
S	3.3	6.1	1.0	.3		2.6		1.5	10.5	2.8	14.1	.1		64.9
SSW	2.6	5.3	1.2			2.6		1.0	9.8	2.2	11.3	.1		68.6
SW	.8	2.6	1.0	.4		3.5		.5	8.4	2.1	10.1	.2	.1	74.5
WSW	1.3	2.2	.8			4.9		.9	6.5	1.3	8.6	.3		77.6
W	.7	2.0	.4	.1		4.8		.9	4.4	.6	4.1	.9		84.0
WNW	1.1	2.4	.8	.1		4.5		.7	5.4	.4	3.6	.6		85.2
NW	1.9	1.9	1.0			8.7		.6	4.8	.8	2.9	1.1		82.2
NNW	5.7	1.8	2.1	.4		9.8		1.1	8.8	1.4	3.2	1.1		75.7
VARIABLE														
CALM	1.4	1.6	.9		.0	3.4		.4	12.4	3.0	8.3			68.2
TOTAL	382	497	185	20	8	651		137	1553	391	1177	59	1	10533
% TOTAL	2.6	3.4	1.3	.1	.1	4.5		.9	10.6	2.7	8.1	.4	.0	72.1

TOTAL NUMBER OF OBSERVATIONS

14,607

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION
SNOWFALL*
SNOW DEPTH

DERIVED FROM DAILY OBSERVATIONS
DERIVED FROM DAILY OBSERVATIONS
DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

45-77

GLENVIEW, ILLINOIS

14855

STATION NAME

YEARS

5722 Daily Amounts Jan. 1969

AMOUNTS (INCHES)															PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4						
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	40.5	28.5	2.7	9.3	5.0	6.9	4.3	1.8	1.1					31.0	961	1.93	4.23	.39	
FEB	43.8	26.3	2.5	8.7	4.7	7.8	3.5	2.5	.2					29.9	876	1.47	3.13	.21	
MAR	40.6	22.6	1.9	9.5	5.6	7.6	6.6	4.3	1.3					36.8	930	2.80	5.28	.63	
APR	44.5	16.1	1.6	8.9	4.2	10.2	7.1	5.3	2.2					39.4	960	3.55	6.25	.96	
MAY	49.0	13.9	1.7	7.8	4.0	8.6	7.4	6.1	1.6					37.1	1023	3.46	7.66	.98	
JUN	54.4	12.0	1.9	4.5	3.4	7.6	7.1	5.4	3.2	.3				33.5	930	4.16	7.27	.70	
JUL	58.5	12.6	1.4	6.0	3.0	5.0	6.5	4.2	2.4	.4				28.9	1023	3.71	8.28	.08	
AUG	62.4	10.8	1.2	5.2	3.1	6.2	4.3	4.4	2.1	.1				26.8	992	2.87	7.28	.55	
SEP	57.7	13.3	1.5	5.4	4.0	5.7	4.5	5.3	2.5	.1				28.9	930	3.16	13.88	.49	
OCT	62.6	11.7	1.8	5.9	4.3	5.6	3.1	3.3	1.3	.2				25.7	992	2.36	9.14	.22	
NOV	49.8	20.0	1.9	6.0	4.9	7.4	5.4	3.9	.6					30.2	930	2.21	4.38	.51	
DEC	40.7	26.4	3.1	7.3	7.0	6.1	5.6	2.6	1.1					32.9	992	2.26	5.99	.43	
ANNUAL	50.4	17.8	1.9	7.0	4.4	7.1	5.4	4.1	1.6	.1				31.8	11539	3.94			

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

14955 STATION GLENVIEW, ILLINOIS STATION NAME 45-77 YEARS

5722 Daily Amounts J 1969

PRECIP. SNOWFALL SNOW- DEPTH	AMOUNTS (INCHES)															PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00		MEAN			GREATEST	LEAST	
													OVER 50.4	OVER 120						
JAN	51.8	27.7	6.8	7.0	2.5	2.1	.6	.8	.5	.1	.1				20.5	961	10.3	32.8	.2	
FEB	55.5	25.7	6.1	6.6	2.6	2.2	.1	.5	.7	.1					18.8	876	7.7	29.3	.5	
MAR	63.9	20.3	5.8	5.2	1.5	1.1	.5	1.1	.6						15.8	930	7.4	29.5	.0	
APR	88.9	8.2	.9	.9	.3	.2	.3		.1	.1					2.9	900	1.8	14.4	.0	
MAY	98.8	1.2														1023	TRACE	TRACE	.0	
JUN	99.9	.1														930	TRACE	TRACE	.0	
JUL	100.0															992	.0	.0	.0	
AUG	100.0															992	.0	.0	.0	
SEP	100.0															930	.0	.0	.0	
OCT	97.0	2.4	.1	.1	.2		.1	.1							.6	992	.5	7.0	.0	
NOV	76.6	16.5	2.5	2.7	.8	.9		.2							7.0	930	2.4	7.9	TRACE	
DEC	56.6	24.8	6.0	5.9	2.9	1.2	1.2	.6	.6	.1					18.6	992	9.2	26.6	TRACE	
ANNUAL	82.4	10.6	2.3	2.4	.9	.6	.2	.3	.2	.0	.0				7.0	11448	39.3			

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

16855	GLENVIEW, ILLINOIS	48-77
STATION	STATION NAME	YEARS

PRECIP.	NONE	TRACE	AMOUNTS (INCHES)												PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
			.01	.02-.05	.06-10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00						
													OVER 50.4	OVER 120					
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	50.5-120			MEAN	GREATEST	LEAST	
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120							
JAN	27.4	19.4	13.7	7.3	6.4	14.2	7.8	1.7	.1					53.2	868				
FEB	30.4	20.9	12.8	7.2	6.0	11.1	7.8	3.1	.7					48.7	819				
MAR	63.5	15.1	5.7	4.1	2.1	6.1	3.0	.3						21.4	899				
APR	93.9	3.4	.6	.8	.5	.3	.5							2.6	870				
MAY	100.0														899				
JUN	100.0														870				
JUL	100.0														899				
AUG	100.0														899				
SEP	100.0														870				
OCT	99.2	.3	.2	.1	.1									.5	868				
NOV	86.3	7.5	3.7	.8	.8	.8	.1							6.2	870				
DEC	45.2	21.4	9.4	5.7	3.7	6.7	6.8	1.3						33.4	930				
ANNUAL	78.8	7.3	3.8	2.2	1.8	3.3	2.2	.5	.1					13.8	10561				

EXTREME VALUES

PRECIPITATION (FROM DAILY OBSERVATIONS)

14855 GLENVIEW, ILLINOIS
STATION NAME

45-77

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45				.75	2.17		.95	1.21	.92	.77	.81	.46	
46	.58	.24		.25	.66		.06			.62		1.12	
47					.96	1.37	.90	.58					
48	1.30	.91	1.85	.38	1.43	1.06	.32	.37	1.05	.48	.53	.90	1.85
49	1.01	.44	.95	.87	.58	3.76	2.19	.15	.46	.94	.60	1.24	3.76
50	1.29	1.02	.66	1.31	.31	2.08	.74	.74	1.14	.67	.84	.75	2.08
51	.63	.64	.95	.86	2.13	1.30	2.62	1.76	1.26	1.02	.83	1.22	2.62
52	1.07	.25	.87	1.25	.77	2.50	1.97	.70	.66	.14	.96	.84	2.50
53	.40	.65	1.13	.60	1.27	.85	.75	.83	.84	.22	.62	.87	1.27
54	.58	.61	1.75	2.35	.71	1.49	1.75	1.33	.18	3.56	.43	.80	3.56
55	.77	.30	.39	.64	1.70	.73	.90	.62	.88	2.30	.56	.73	2.30
56	.13	.52	.40	1.41	.70	.46	.49	1.58	.25	.22	.60	.39	1.58
57	1.23	.74	.72	.77	1.10	.94	4.96	1.36	.55	1.30	.79	.67	4.96
58	1.04	.19	.37	1.18	1.12	1.51	2.67	.60	.79	1.36	.72	.40	2.67
59	.58	.46	.70	.94	.55	1.92	1.11	1.53	1.23	1.25	1.64	.79	1.92
60	1.96	.80	.52	1.98	.97	1.12	2.06	.45	1.12	1.49	.44	.33	2.06
61	.29	.66	1.19	.55	.68	1.11	.79	.68	2.59	1.92	.59	.90	2.59
62	1.48	.68	.49	.61	1.31	1.36	1.98	1.08	1.00	.54	.79	.11	1.98
63	.43	.20	.51	1.01	.42	.54	2.36	1.06	1.05	.17	.91	.37	2.36
64	.31	.26	.86	1.47	.72	1.62	3.12	1.08	1.11	.18	1.00	.92	3.12
65	1.70	.71	.84	1.02	1.02	.56	1.18	1.32	1.38	.92	1.11	1.30	1.70
66	.64	.52	.65	1.31	2.02	1.89	1.32	.28	.73	1.02	1.32	.82	2.02
67	1.71	1.16	1.55	.78	.73	3.15	.96	.96	.69	.88	.60	.53	3.15
68	.52	.43	.28	.94	.90	1.23	1.04	3.10	.89	.29	1.73	.90	3.10
69	.38	.10	1.12	.89	.87	1.63	1.44	.57	.53	3.52	.35	1.00	3.52
70	.37	.28	.55	1.13	1.12	1.61	1.20	.58	1.99	.58	.63	.51	1.99
71	.74	.51	.56	.33	.40	1.26	1.17	1.31	.75	.32	.96	1.55	1.55
72	.25	.31	1.03	1.84	.78	4.31	.99	1.40	1.88	.88	1.28	.93	4.31
73	.61	.84	.71	1.49	1.09	1.30	2.28	.48	1.43	.79	.40	.93	2.28
74	.85	.68	.81	.98	.77	.79	.73	.96	.45	1.14	.65	.39	1.14
MEAN													
S. D.													
TOTAL OBS.													

PRECIPITATION
FROM DAILY OBSERVATIONS

45-77

YEARS

24 HOUR AMOUNTS IN INCHES

[illegible]

NAVWEASERVCOM

5/23 Extreme Values Jan 1969

YEARS

PRECIPITATION
(FROM DAILY OBSERVATIONS)

24 HOUR AMOUNTS IN INCHES
/BASED ON LESS THAN FULL MONTHS/

[illegible]

EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

14855 STATION GLENVIEW, ILLINOIS STATION NAME 45-77 YEARS

24 HOUR AMOUNTS IN INCHES

5723 Extreme Values Jan 1969

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45	.7	2.8	.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	4.0	
46					.0	.0	.0	.0	.0	.0		2.1	
47					.0	.0	.0	.0	.0	.0	TRACE		
48	9.0	2.1	.5	TRACE	.0	.0	.0	.0	.0	.0	TRACE	2.5	
49	1.0	3.0	2.0	TRACE	.0	.0	.0	.0	.0	.0	3.0	6.0	6.0
50	3.0	6.5	2.0	1.0	.0	.0	.0	.0	.0	.0	1.1	5.0	6.5
51	3.1	2.8	6.6	2.7	.0	.0	.0	.0	.0	.0	4.5	12.6	12.6
52	4.9	1.0	3.1	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	1.7	4.9
53	3.0	1.6	2.6	TRACE	.0	.0	.0	.0	.0	.0	1.8	1.9	3.0
54	4.1	1.8	8.4	TRACE	TRACE	.0	.0	.0	.0	.3	1.9	4.7	8.4
55	2.2	2.4	1.4	.0	.0	.0	.0	.0	.0	TRACE	1.6	1.0	2.4
56	1.3	4.4	.6	.6	.0	.0	.0	.0	.0	.0	2.6	3.0	4.4
57	6.7	2.1	2.7	.7	.0	.0	.0	.0	.0	4.0	.4	4.4	6.7
58	8.4	1.9	1.9	TRACE	.0	.0	.0	.0	.0	.0	.8	4.9	8.4
59	5.5	.3	.2	.4	.0	.0	.0	.0	.0	1.1	2.6	7.9	7.9
60	3.4	8.0	5.2	TRACE	TRACE	.0	.0	.0	.0	TRACE	.4	3.0	8.0
61	2.4	5.9	5.6	4.4	TRACE	.0	.0	.0	.0	TRACE	5.9	9.0	9.0
62	14.8	7.1	3.5	.5	.0	.0	.0	.0	.0	TRACE	.7	1.0	14.8
63	6.4	2.5	4.0	.1	.0	.0	.0	.0	.0	.0	TRACE	4.1	6.4
64	1.2	2.8	8.6	.5	.0	.0	.0	.0	.0	.0	2.3	8.7	8.7
65	3.4	7.7	7.3	TRACE	.0	.0	.0	.0	.0	TRACE	.4	2.4	7.7
66	6.0	1.7	.4	.3	TRACE	TRACE	.0	.0	.0	.0	.9	6.2	6.2
67	17.4	11.7	5.5	2.0	TRACE	.0	.0	.0	.0	5.0	.4	.7	17.4
68	4.0	1.9	.6	TRACE	.0	.0	.0	.0	.0	.0	TRACE	6.8	6.8
69	2.1	1.0	1.6	.0	TRACE	.0	.0	.0	.0	TRACE	1.0	10.0	10.0
70	4.1	2.8	4.4	10.3	.0	.0	.0	.0	.0	.0	TRACE	3.7	10.3
71	7.1	1.3	5.6	.5	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	7.1
72	3.0	3.1	7.2	4.3	.0	.0	.0	.0	.0	TRACE	2.5	4.0	7.2
73	.2	1.4	1.8	.2	TRACE	.0	.0	.0	.0	.0	TRACE	3.7	3.7
74	2.3	3.2	1.6	TRACE	.0	.0	.0	.0	.0	TRACE	1.4	3.8	3.8
MEAN													
S. D.													
TOTAL OBS.													

GLENVIEW, ILLINOIS

45-77

STATION NAME

YEARS

24 HOUR AMOUNTS IN INCHES

[illegible]

SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION	STATION NAME
14855	GLENVIEW, ILLINOIS

45-77

YEARS

24 HOUR AMOUNTS IN INCHES
/BASED ON LESS THAN FULL MONTHS/

196191

5723 Extreme Values Jan 1969

[illegible]

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

14855 GLENVIEW, ILLINOIS
STATION NAME

48-77

YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45													
46													
47													
48													
49	1	5	TRACE	TRACE	0	0	0	0	0	0	0	2	6
50	7	8	3	TRACE	0	0	0	0	0	0	0	3	10
51	8	7	5	1	0	0	0	0	0	0	0	6	18
52	5	1	5	TRACE	0	0	0	0	0	TRACE	TRACE	3	5
53	3	2	2	0	0	0	0	0	0	0	0	1	2
54	3	2	8	2	0	0	0	0	0	0	0	4	8
55	4	4	1	0	0	0	0	0	0	0	0	3	4
56	1	4	1	0	0	0	0	0	0	0	1	3	
57	8	4	2	1	0	0	0	0	0	3	TRACE	4	8
58		8	1	0	0	0	0	0	0	0	0	9	
59	11	7	2	0	0	0	0	0	0	0	3	6	11
60	3	16	13	0	0	0	0	0	0	0	0	4	16
61	2	6	6	5	0	0	0	0	0	0	0	9	9
62	18	8	4	TRACE	0	0	0	0	0	TRACE	0	1	18
63	11	9	4	TRACE	0	0	0	0	0	0	TRACE	6	11
64	1	4	7	TRACE	0	0	0	0	0	0	1	14	14
65	4	11	15	2	0	0	0	0	0	0	TRACE	4	15
66	13	10	1	TRACE	0	0	0	0	0	0	0	6	13
67	26	32	11	2	0	0	0	0	0	1	0	2	32
68	8	2	TRACE	TRACE	0	0	0	0	0	0	0	11	11
69	11	1	2	0	0	0	0	0	0	0	0	13	13
70	10	1	6	7	0	0	0	0	0	0	0	3	10
71	6	2	3	TRACE	0	0	0	0	0	0	TRACE	TRACE	6
72	3	5	7	4	0	0	0	0	0	0	0	6	7
73	TRACE	3	2	TRACE	0	0	0	0	0	0	0	11	11
74	7	8	1	0	0	0	0	0	0	0	1	3	8
MEAN													
S. D.													
TOTAL OBS.													

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION	STATION NAME	YEARS
14855	GLENVIEW, ILLINOIS	48-77

DAILY SNOW DEPTH IN INCHES
/BASED ON LESS THAN FULL MONTHS/

[illegible]

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

STATION 14855 GLENVIEW, ILLINOIS

STATION NAME

JANUARY

MONTH

YEARS

1946-1977

FEBRUARY

MONTH

DAILY EXTREME AMOUNTS

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.30	33	1948	9.0	229	1948
2	0.63	16	1951	6.3	160	1975
3	0.74	19	1971	7.1	180	1971
4	0.45	11	1952	4.9	124	1952
5	0.77	20	1955	2.1	53	1969
6	1.48	38	1962	14.8	376	1962
7	0.45	11	1962	4.5	114	1962
8	0.24	6	1974	2.2	56	1974
9	1.23	31	1957	6.7	170	1957
10	1.74	44	1975	2.3	58	1974
11	0.28	7	1963	2.8	71	1963
12	1.96	50	1960	6.0	152	1966
13	1.29	33	1950	3.0	76	1976*
14	0.52	13	1968	4.1	104	1970
15	0.29	7	1965	3.4	86	1965
16	0.23	6	1969	2.0	51	1971
17	0.35	9	1969	2.9	74	1970
18	1.01	26	1949	3.4	86	1960
19	1.07	27	1952	6.4	163	1963
20	0.83	21	1974	5.5	140	1959
21	1.04	26	1958	8.4	213	1958
22	1.70	43	1965	2.6	66	1957
23	0.40	10	1953	2.4	61	1951
24	0.34	9	1975	2.7	69	1957
25	0.60	15	1950	6.0	152	1966
26	1.71	43	1967	17.4	442	1967
27	0.75	19	1967	8.0	203	1967
28	0.30	8	1962	3.0	76	1962
29	0.39	10	1967	4.0	102	1967
30	0.13	3	1947	2.9	74	1950
31	0.33	8	1951	3.1	79	1951
Monthly	1.96	50	1960	17.4	442	1967

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.71	18	1967	6.9	175	1967
2	0.22	6	1972*	2.2	56	1972
3	0.66	17	1961	5.9	150	1961
4	0.38	10	1971	2.7	69	1977
5	1.16	29	1967	11.7	297	1967
6	0.31	8	1974*	3.1	79	1974
7	0.14	4	1973	1.4	36	1973
8	0.28	7	1970	2.8	71	1970
9	0.80	20	1960	8.0	203	1960
10	0.68	17	1960	6.8	173	1960
11	0.31	8	1956	3.1	79	1956
12	0.38	10	1949	2.2	56	1964
13	1.02	26	1950	6.5	165	1950
14	0.84	21	1973	2.5	63	1950
15	0.61	15	1954	5.8	147	1975
16	0.52	13	1956	4.4	112	1956
17	0.61	15	1975	0.2	5	1959
18	0.64	16	1951	2.8	71	1962
19	0.51	13	1971	1.7	43	1966
20	0.65	17	1953	0.9	23	1963
21	0.81	21	1976	7.1	180	1962
22	0.68	17	1974	5.2	132	1950
23	0.70	18	1967	6.4	163	1967
24	0.71	18	1965	7.7	196	1965
25	0.74	19	1957	3.1	79	1972
26	0.30	8	1957	0.2	5	1946
27	0.91	23	1948	2.5	63	1963
28	0.42	11	1951	1.9	48	1958
29	0.20	5	1976	1.2	30	1976
30						
31						
Monthly	1.16	29	1967	11.7	297	1967

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

5724 DAILY ACCOUNTS MAR 1978

14855

GLENVIEW, ILLINOIS

STATION

STATION NAME

YEARS

1945-1977

MARCH

MONTH

APRIL

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.64	16	1976	3.3	84	1976
2	1.22	31	1976	6.0	152	1954
3	0.63	17	1966	3.1	79	1952
4	1.60	41	1976	5.3	135	1963
5	1.18	30	1946	1.9	48	1958
6	0.57	14	1973	1.0	25	1973
7	0.35	9	1975	0.8	20	1953
8	0.86	22	1964	5.6	142	1961
9	0.22	6	1973	2.0	51	1963
10	0.53	16	1952	1.6	41	1973
11	0.56	14	1957	4.0	102	1963
12	1.13	29	1953	3.5	89	1951
13	1.19	30	1961	7.0	178	1972
14	0.63	16	1953	1.0	25	1965
15	0.51	13	1948	0.8	20	1971
16	0.52	13	1960	5.2	132	1960
17	0.70	18	1965	7.3	185	1963
18	0.99	25	1945	5.6	142	1971
19	1.85	47	1948	3.2	81	1971
20	1.44	37	1967	5.5	140	1967
21	0.60	15	1966	4.1	104	1977
22	0.49	12	1965	5.1	130	1963
23	0.45	11	1965	5.3	135	1963
24	1.17	30	1954	0.3	8	1975
25	1.75	44	1954	4.4	112	1970
26	0.70	18	1959	2.7	69	1957
27	0.82	21	1976	0.5	13	1970
28	1.03	28	1977	0.8	20	1970*
29	0.86	21	1954	8.6	218	1964
30	0.93	24	1949	1.6	41	1974
31	1.53	39	1967	2.9	74	1972
Monthly	1.83	47	1948	8.6	218	1964

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.13	29	1970	10.3	262	1970
2	1.36	35	1973	12.3	312	1973
3	0.98	25	1974	2.2	56	1972
4	0.89	23	1969	T	T	1974*
5	1.47	37	1964	1.0	25	1950
6	0.63	16	1954	T	T	1966*
7	0.43	11	1972	4.3	109	1972
8	0.61	15	1962	0.4	10	1959
9	0.62	16	1973	2.0	51	1961
10	0.48	12	1950	0.2	5	1973
11	0.86	22	1951	0.5	13	1957
12	1.25	32	1952	T	T	1973*
13	0.75	19	1945	0.5	13	1962
14	0.87	22	1949	T	T	1952
15	0.75	19	1976	2.5	63	1961
16	1.98	50	1960	4.4	112	1961
17	0.94	24	1963	T	T	1961*
18	1.86	47	1975	T	T	1945
19	0.78	20	1970	T	T	1962*
20	1.31	33	1966	T	T	1959*
21	1.49	38	1973			
22	0.43	11	1957	0.2	5	1956
23	1.16	29	1950	2.0	51	1967
24	1.31	33	1950	T	T	1971*
25	2.35	60	1954	1.0	25	1976
26	0.35	9	1943			
27	1.71	43	1975	T	T	1971
28	1.04	26	1956	T	T	1977*
29	0.96	24	1963			
30	0.80	20	1970	0.1	3	1963
31						
Monthly	2.35	60	1954	12.3	312	1975

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET--SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

5724 DAILY AMOUNTS MAR 1978

14855 STATION

GLENVIEW, ILLINOIS STATION NAME

1945-1977 YEARS

MAY MONTH

JUNE MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.63	16	1953			
2	1.09	28	1948	T	T	1971
3	1.12	28	1958	T	T	1973*
4	0.77	20	1977	T	T	1967*
5	0.92	23	1976			
6	1.11	28	1948			
7	0.80	20	1945	T	T	1960
8	0.87	22	1969	T	T	1966*
9	0.60	15	1956			
10	2.13	54	1951			
11	2.02	51	1966	T	T	1966
12	1.31	33	1962			
13	0.47	12	1964			
14	2.17	55	1945			
15	0.69	18	1976			
16	0.97	25	1960			
17	0.96	24	1947			
18	1.02	26	1965			
19	1.10	28	1957			
20	0.64	16	1960			
21	0.59	15	1962	T	T	1969
22	1.27	32	1953			
23	0.94	24	1970			
24	1.70	43	1955			
25	0.68	17	1961			
26	0.69	18	1968	T	T	1961
27	1.16	29	1945			
28	0.86	22	1976			
29	1.12	28	1970			
30	0.77	20	1975			
31	0.76	19	1958			
Monthly	2.17	55	1945	T	T	1973*

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.37	35	1970*			
2	2.08	53	1950			
3	1.49	38	1954			
4	0.73	19	1969			
5	1.15	29	1977			
6	0.76	19	1974			
7	1.11	28	1961			
8	1.37	35	1969			
9	1.89	48	1966	T	T	1966
10	3.15	80	1967			
11	1.34	34	1977			
12	1.61	41	1970			
13	1.54	39	1966			
14	4.31	109	1972			
15	0.42	11	1966			
16	2.50	63	1952			
17	0.90	23	1946			
18	1.26	32	1971			
19	0.44	11	1961			
20	0.59	15	1972			
21	1.30	33	1951			
22	1.62	41	1964			
23	1.06	27	1948			
24	0.73	19	1968			
25	1.92	49	1959			
26	0.48	12	1970			
27	0.54	14	1963			
28	1.12	28	1960			
29	1.63	41	1969			
30	1.13	29	1977			
31						
Monthly	4.31	109	1972	T	T	1966

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

STATION
14855

STATION NAME
GLENVIEW, ILLINOIS

1945-1977

YEARS

DAILY EXTREME AMOUNTS

JULY
MONTH

AUGUST
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.36	9	1959			
2	2.67	68	1958			
3	1.02	26	1954			
4	0.64	16	1958			
5	0.85	22	1971			
6	1.75	44	1954			
7	2.03	52	1964			
8	2.62	67	1951			
9	0.96	24	1967			
10	0.63	16	1974			
11	1.00	25	1962			
12	4.96	126	1957			
13	1.56	40	1963			
14	2.19	56	1949			
15	0.52	13	1962			
16	0.74	19	1950			
17	1.44	37	1969			
18	3.12	79	1964			
19	2.36	60	1963			
20	2.28	58	1973			
21	0.76	19	1949			
22	2.30	58	1957			
23	1.16	29	1952			
24	0.95	24	1945			
25	1.49	38	1964			
26	1.32	34	1966			
27	1.29	33	1966			
28	0.79	20	1962			
29	1.27	32	1954			
30	0.68	17	1953			
31	0.62	16	1950			
Monthly	4.96	126	1957			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.82	21	1972			
2	1.06	27	1963			
3	1.53	39	1959			
4	0.98	25	1977			
5	0.33	10	1945			
6	1.76	45	1951			
7	0.48	12	1947			
8	1.03	26	1968			
9	1.22	31	1957			
10	1.06	27	1971			
11	1.16	29	1956			
12	1.58	40	1956			
13	0.03	1	1977			
14	1.21	31	1945			
15	0.62	16	1951			
16	3.10	79	1968			
17	1.32	34	1965			
18	0.96	24	1967			
19	0.40	10	1967			
20	0.60	15	1958			
21	2.21	56	1975			
22	0.86	22	1964			
23	1.40	36	1972			
24	1.31	33	1971			
25	1.33	34	1954			
26	0.40	10	1977			
27	0.96	24	1974			
28	0.73	19	1957			
29	0.62	16	1953			
30	1.85	47	1975			
31	1.16	29	1945			
Monthly	3.10	79	1968			

* ALSO ON EARLIER YEARS
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

STATION
14855

STATION NAME
GLENVIEW, ILLINOIS

MONTH
SEPTEMBER

YEARS

1945-1977

MONTH
OCTOBER

DAILY EXTREME AMOUNTS

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.96	24	1977			
2	2.48	63	1961			
3	0.41	10	1970			
4	0.57	14	1965			
5	1.14	29	1961			
6	1.99	51	1970			
7	0.32	8	1972			
8	1.05	27	1948			
9	1.08	27	1970			
10	1.00	25	1962			
11	0.84	21	1953			
12	1.06	27	1961			
13	2.59	66	1961			
14	0.94	24	1970			
15	0.66	17	1977			
16	0.18	5	1954			
17	1.88	48	1972			
18	0.82	21	1953			
19	1.12	28	1960			
20	1.38	35	1963			
21	1.14	29	1950			
22	1.11	28	1965			
23	1.34	34	1961			
24	1.18	30	1973			
25	2.08	53	1961			
26	1.26	32	1951			
27	0.80	20	1945			
28	1.32	34	1972			
29	1.21	31	1973			
30	1.00	25	1977			
31						
Monthly	2.59	66	1961			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.58	15	1973			
2	0.23	6	1954			
3	1.72	44	1954			
4	0.75	19	1959			
5	2.30	58	1955			
6	1.20	30	1959			
7	0.67	17	1950			
8	0.58	15	1950			
9	1.51	38	1954			
10	3.56	90	1954			
11	0.88	22	1972			
12	0.79	20	1973			
13	1.49	38	1960			
14	1.02	26	1966			
15	0.88	22	1967			
16	0.30	8	1955			
17	0.39	10	1946			
18	0.40	10	1951*	T	T	1976*
19	1.92	49	1961	T	T	1974*
20	0.54	14	1962	T	T	1974*
21	0.92	23	1965	T	T	1976
22	1.36	35	1958	T	T	1969
23	1.30	33	1957	T	T	1965
24	1.10	28	1975	T	T	1959*
25	0.18	5	1960	T	T	1976*
26	0.44	11	1958	4.0	102	1957
27	0.47	12	1973	5.0	127	1967
28	0.59	15	1955	T	T	1952
29	0.83	21	1961	0.3	8	1954
30	0.80	20	1967	T	T	1955*
31	0.69	18	1973	T	T	1972*
Monthly	3.56	90	1954	5.0	127	1967

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

14855

GLENVIEW, ILLINOIS

STATION

STATION NAME

NOVEMBER

MONTH

1945-1977

YEARS

DECEMBER

MONTH

DAILY EXTREME AMOUNTS

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.73	19	1977	0.8	20	1954
2	0.69	18	1964	1.6	41	1955
3	0.53	13	1948	1.7	43	1951
4	1.64	42	1959	1.1	28	1950
5	0.39	10	1974	T	T	1967*
6	0.63	16	1951	4.5	114	1951
7	0.33	8	1968	0.2	5	1955*
8	0.71	18	1966	T	T	1971*
9	1.23	32	1966	0.4	10	1960
10	0.65	17	1974	0.4	10	1950
11	0.13	3	1967	T	T	1976*
12	0.60	15	1949	2.6	66	1959
13	1.28	33	1972	1.4	36	1959
14	0.79	20	1957	0.7	18	1969
15	1.00	25	1964	0.3	8	1969
16	0.79	20	1962	1.0	25	1951
17	0.69	18	1952	0.2	5	1962
18	0.77	20	1957	1.3	33	1955
19	0.59	15	1961	5.9	150	1961
20	0.60	15	1956	2.3	58	1964
21	0.18	5	1965	0.4	10	1976
22	0.91	23	1963	2.5	63	1972
23	0.56	14	1955	1.2	30	1947
24	0.69	18	1966	3.0	76	1949
25	0.96	24	1952	2.6	66	1956
26	1.11	28	1965	3.2	81	1975
27	1.32	34	1966	3.0	76	1977*
28	1.73	44	1968	1.8	46	1947
29	0.96	24	1971	1.8	46	1953
30	0.15	4	1974	1.4	36	1974
31	1.73	44	1968	5.9	150	1961
Monthly						

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.44	11	1977	6.0	152	1949
2	0.75	19	1950	3.9	99	1964
3	0.73	19	1955	2.0	51	1976
4	0.93	24	1973	8.7	221	1964
5	0.24	6	1960	1.8	46	1977
6	0.71	18	1950	3.0	76	1950
7	0.74	19	1969	3.5	89	1969
8	0.41	10	1977	4.9	124	1958
9	0.87	22	1953	4.0	102	1972
10	1.55	39	1971	2.2	56	1947
11	1.24	31	1949	4.1	104	1963
12	1.12	28	1946	3.9	99	1972
13	0.37	9	1973	4.0	102	1945
14	1.62	41	1975	12.6	320	1951
15	1.12	28	1971	2.1	53	1946
16	0.21	5	1961	1.1	28	1973
17	0.33	8	1951	2.9	74	1951
18	0.67	17	1957	2.5	63	1948
19	0.49	12	1952	3.0	76	1973
20	1.23	31	1977	7.3	185	1977
21	1.10	28	1949	3.0	76	1951
22	0.69	18	1968	1.9	48	1953
23	1.00	25	1969	10.0	254	1969
24	1.30	33	1965	3.2	81	1951
25	0.50	13	1950	5.0	127	1950
26	0.36	9	1949	2.6	66	1950
27	0.80	20	1954	1.0	25	1957
28	0.90	23	1968*	6.8	173	1968
29	0.47	12	1954	4.7	119	1954
30	0.54	14	1972	4.5	114	1968
31	0.46	12	1949	4.4	112	1957
Monthly	1.62	41	1975	12.6	320	1951

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from 3-hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)14855 GLENVIEW, ILLINOIS
STATION

43-77

STATION NAME

YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
43				WSW 57NNE 49W	52NNE 62					WSW 40SSW 51ESE 42			
45	SSW 59WSW 52SSW 51W	47SSW 48								SSW 43		WSW 49	
47	ENE 51												
48	NE 80NNW 51SSW 46NNW	48NNE 37NNW 45NNW	35NNW 48NNW 51W	40									
49	SW 41SSW 37SW 46W	52SW 33SE 44SW 35NW	35NNW 47S 40WSW 41										
50	WSW 54ENE 41S	42NW 62SSW 53WSW 40SW	32SW 29SSW 34NNW	37NNW 42SSW 43									
51		WSW 44ENE 46ENE 44	NW 52										
52	WSW 44N	44N 47NNE 39SSW 37NE	49W 60SSW 49NNW 40NNE	48SW 64SW 31									
53	SSW 47WSW 52SSW 60WSW	50WSW 63NNW 57WSW 32NNE	33SSE 54NNE 33SSE	32SW 44									
54	NNW 40NNE 39WSW 60SW	44SW 46NNW 72NW 58SSW	38										
55	NNW 39SSW 32E	50NW 62SSW 47W	35SSW 42NW 38W	32N 35WSW 47WSW 36									
56	NNW 33NNW 41WSW 50N	58NNW 42W	36NW 36NW 45NNW	33NNW 37WSW 48SW 47									
57	SSW 42NNE 47WSW 49NNW	40SW 39S	39NW 43NNE 34W	36N 46W 48NW 39									
58	NNW 28NNE 31N	40NNE 36N	34SW 29NNW 22										
59	SSW 34NNW 33SW 46SW	36NNW 38SSW 31NW 45											
60	NNE 50NE 45NNW 57SW	45S 39NNE 36NNE 39NNW	58SW 31SSW 37SSW 48SW 37										
61	NW 33WSW 40SW 58SSE	44NNE 39NW 38NW 30W	37WSW 40NNE 40S 45W 41										
62	SW 35NNW 41SSW 44WSW	42S 45SW 36NNW 29W	31WSW 37WSW 35WSW 43W 36										
63	W 34NW 35SW 42W	54WSW 35N 36N 38NNW	48NNW 42S 42S 37SSW 46S 40										
64	NE 43SW 38NNE 50SW	47SW 52NW 41W 48W											
65	NE 34N 39W 40W	41WSW 43NNW 34NNW 33NW	38W 38SW 31W 46N 48										
66	W 37S 40W 44W	42W 43NNW 69NW 42N	30N 36W 40N 38E 32										
67	S 48SW 49N 33S	61S 40SW 30S 26W	31NW 33S 39S 31W 32										
68	N 31W 35SSW 36SW	43S 37	35NNW 42S 28WSW 36NE 47W 43										
69	S 36W 28N 39W	38SW 33SW 47NE 33SW	31SW 26S 39S 34E 30										
70	S 33SW 37NE 44NNE	44W 38W 49W 32W	30W 28S 40W 40W 43										
71	NW 4322 6227 4322	3727 3427 4636	3136 4220 3021	4121 3718 48									
72	25 4620 3329	3706 3516 2920	3531 3136 3729	3429 3207 3929	30								
73	3334 2721 4019	3720 3822 3136	4524 2828 30	02 38									
74	35 4520 4120	3825 3024 3617	3135 2921 2521	3304 3003 38									
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

EXTREME VALUES

SURFACE WINDS
FROM DAILY OBSERVATIONS

14825	GLENVIEW, ILLINOIS	45-77
STATION	STATION NAME	YEARS

DAILY PEAK GUSTS IN KNOTS

[illegible]

NAVWEASERVCOM

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

45-77

GLENVIEW, ILLINOIS

14855

STATION NAME

STATION

YEARS

DAILY PEAK GUSTS IN KNOTS
/BASED ON LESS THAN 90% OBSERVATIONS FOR MONTH/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45			46 14					0	0				WINDS DAYS
46						NE 35 10	SSW 31 19						WINDS DAYS
47		WNW 32 14			WSW 40 27			SW 26 8			ENE 40W 42 20 23		WINDS DAYS
48											SSW 36 0 14		WINDS DAYS
51	SSW 38W 40 20 18				ENE 43 14		WNW 30SSW 42WNW 46 25 19 26						WINDS DAYS
54								WNW 38 24					WINDS DAYS
58	NNW 31 25							SSW 30 19					WINDS DAYS
59							SSW 31SW 50 25 19						WINDS DAYS
68						W 39 26							WINDS DAYS
73										25 903 16 2 1			WINDS DAYS
74	32 28 20												WINDS DAYS
75										22 3926 44 26 26			WINDS DAYS
76	25 32 25												WINDS DAYS
MEAN													
S. D.													
TOTAL OBS.													

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

JAN
MONTH

ALL WEATHER
CLASS

00
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	1.9									3.2	6.6
NNE													
NE			1.3									1.3	9.0
ENE		.6	.6									1.3	6.5
E	.6	1.9	1.3									3.9	5.8
ESE		.6	.6	.6								1.9	9.0
SE			.6									.6	9.0
SSE		.6	1.3									1.9	7.3
S	1.9	1.9	3.9	1.3								9.0	7.4
SSW		2.6	1.9	3.9								8.4	9.4
SW	1.9	3.9	1.3	.6								8.4	6.5
WSW	1.9	4.5	1.9	1.3	.6							9.7	6.1
W	3.2	4.5	5.2	5.2	.6							18.7	8.3
WNW	2.6	1.9	3.9	4.5								12.9	7.8
NW	1.9	3.2	1.3									6.5	5.7
NNW	1.3	.6	3.9									5.8	6.8
VARBL													
CALM												6.5	
	15.5	26.4	31.0	17.4	1.3							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

JAN
MONTH

ALL WEATHER
CLASS

03
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.6	1.9	1.3								5.8	7.0
NNE		.6	.6									1.3	6.5
NE			.6									.6	10.0
ENE			1.3									1.3	7.5
E		.6	.6									1.3	6.0
ESE		1.3	.6	.6								2.6	7.3
SE		1.3										1.3	5.0
SSE	.6		.6									1.3	6.0
S	.6	.6	2.6	1.9								5.2	9.4
SSW	.6	3.9	3.9	2.6	.6		.6					12.3	9.7
SW	2.6	3.9	.6	1.3								8.4	5.4
WSW	1.3	.6	1.3	2.6								5.8	8.3
W	2.6	3.2	6.5	3.9	1.3							17.4	8.5
WNW	1.9		5.2	1.9								9.0	8.3
NW	1.3	1.9	3.9	.6								7.7	6.8
NNW	.6	2.6	3.9									7.1	6.9
VARBL													
CALM												11.6	
	11.6	23.2	34.2	16.8	1.9		.6					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS

STATION NAME

73-77

YEARS

JAN

MONTH

ALL WEATHER

CLASS

06

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	3.2	1.3								5.8	8.8
NNE		.6	.6									1.3	5.5
NE		1.3										1.3	5.0
ENE													
E		.6	1.3									1.9	6.0
ESE		1.3										1.3	5.5
SE													
SSE		.6	.6	.6								1.9	9.0
S	.6	1.3	2.6									4.5	7.3
SSW	2.6	3.2	5.2	2.6	.6	.6						14.8	8.7
SW	.6	.6	1.3	.6								3.2	8.8
WSW	1.3	1.3	3.2	2.6								8.4	9.0
W	1.3	3.9	6.5	3.2	1.3							16.1	8.8
WNW	1.3	1.9	3.9	2.6								9.7	8.1
NW		3.2	2.6	1.3								7.1	7.7
NNW		3.2	1.3	1.9								6.5	8.2
VARBL													
CALM												16.1	
	7.7	24.5	32.3	16.8	1.9	.6						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

JAN
MONTH

ALL WEATHER
CLASS

09
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6	.6	1.3								3.2	9.2
NNE	.6		.6									1.3	5.5
NE	.6											.6	3.0
ENE		.6	1.3	.6								2.6	9.0
E		.6	.6	.6								1.3	9.0
ESE	.6	.6	1.9									3.2	7.2
SE		.6										.6	6.0
SSE		.6	.6									1.3	7.0
S	1.3	1.9	3.9	1.3								8.4	8.1
SSW	1.3	1.9	1.3	5.8								10.3	9.0
SW			3.2	1.3		.6						5.2	11.4
WSW	1.9		3.9	2.6								8.4	8.2
W	1.3	6.5	8.4	3.9	1.3							21.3	8.9
WNW			2.6	3.2								5.8	10.8
NW	1.9	3.9	5.2	1.3								12.3	7.2
NNW	1.3	1.9	.6	1.9								5.8	8.6
VARBL													
CALM												8.4	
	11.0	20.0	34.2	23.9	1.3	.6						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

155

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

JAN
MONTH

ALL WEATHER
CLASS

12
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.9	3.2	1.3	.6							7.1	9.6
NNE		.6		.6								1.3	9.0
NE		.6	.6									1.3	7.0
ENE		.6										.6	4.0
E		.6	.6	.6								1.9	9.0
ESE		.6		1.9								2.6	11.0
SE		.6	.6									1.3	6.5
SSE	.6	.6	1.3	.6								3.2	7.6
S	.6	1.3	5.2	1.9								9.0	8.5
SSW		.6	1.9	3.2								5.8	10.4
SW		3.2	1.9	3.2	.6							9.0	9.6
WSW	.6	2.6	5.4	2.6								14.2	8.6
W	2.6	1.3	7.1	6.5	2.6							20.0	10.6
WNW		1.9	2.6	2.6								7.1	9.9
NW	.6	1.9	3.2	.6	.6							7.1	8.1
NNW		1.9	1.9	1.3								5.2	8.4
VARBL													
CALM												3.2	
	5.2	21.3	38.7	27.1	4.5							100.0	9.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

JAN
MONTH

ALL WEATHER
CLASS

15
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6	1.9	3.2	.6							6.5	9.7
NNE												.6	20.0
NE	.6	.6	.6	.6								2.6	8.3
ENE		1.9	.6	.6								3.2	6.6
E	.6	1.9	1.3									3.9	5.3
ESE			1.3	.6								1.9	11.3
SE		.6	1.9	.6								3.2	8.4
SSE				.6								.6	14.0
S			2.6	1.9	.6							5.2	12.4
SSW	.6	1.3	3.9	1.9	.6							8.4	9.9
SW		1.3	1.9	3.2								6.5	10.1
WSW	.6	5.2	6.5	3.2								15.5	8.5
W		4.5	6.5	9.0	1.9							21.9	11.0
WNW	1.3	1.9	3.9	1.9	.6							9.7	8.4
NW		2.6	1.9	.6								5.2	6.6
NNW		1.3	1.3									2.6	6.5
VARBL													
CALM												2.6	
	4.5	23.9	36.1	28.4	4.5							100.0	9.2

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

JAN
MONTH

ALL WEATHER
CLASS

18
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.6	.6									2.6	4.3
NNE		1.3										1.3	4.5
NE													
ENE			2.6									2.6	8.3
E	.6	1.9		1.3								3.9	6.7
ESE		.6	1.3									1.9	7.0
SE			.6	1.3								1.9	11.7
SSE		.6		.6								1.3	9.0
S		.6	1.9	3.9	.6							7.1	11.7
SSW		3.9	.6	2.6								7.1	8.5
SW	2.6	6.5	1.3	.6								11.0	5.0
WSW	3.9	5.2	3.9	3.2								16.1	6.9
W	1.3	5.2	6.5	5.2	1.3							19.4	9.2
WNW	1.3	1.9	5.2									8.4	6.8
NW		1.3	1.3									2.6	6.0
NNW	2.6	1.9	2.6	.6								7.7	6.4
VARBL													
CALM												5.2	
	13.5	31.6	28.4	19.4	1.9							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

JAN
MONTH

ALL WEATHER
CLASS

21
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3		1.3	.6								3.2	6.4
NNE													
NE		.6	.6									1.3	6.5
ENE		.6	1.3	.6								2.6	6.8
E		1.3	.6	.6								2.6	6.8
ESE	.6	1.3	.6									2.6	5.3
SE	.6			.6								1.3	9.0
SSE			1.9	.6								2.6	9.5
S		1.3	1.3	2.6								3.2	9.8
SSW		5.2	3.2	3.2	1.3							13.5	9.5
SW	3.2	5.8	3.2	1.3								13.5	6.0
WSW	1.9	1.3	2.6	1.3								7.1	6.6
W	1.9	3.9	5.2	5.8	1.3							18.1	9.3
WNW	.6	3.2	3.2	1.9								9.0	7.9
NW		1.3	.6	.6								2.6	7.3
NNW	1.3	2.6	.6	1.9								6.5	6.9
VARBL													
CALM												8.4	
	11.6	28.4	27.1	21.9	2.6							100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

155

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

8079

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

JAN
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

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SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.1	1.9	1.1	.1							4.7	8.2
NNE	.1	.4	.2	.1	.1							.9	7.5
NE	.2	.4	.5	.1								1.1	7.2
ENE		.6	1.0	.2								1.8	7.7
E	.2	1.2	.7	.4								2.6	6.5
ESE	.2	.8	.8	.5								2.3	6.0
SE	.1	.4	.5	.3								1.3	8.3
SSE	.2	.4	.8	.4								1.8	8.3
S	.6	1.1	3.0	1.9	.2							6.7	9.2
SSW	.6	2.8	2.8	3.2	.4	.1	.1					10.1	9.3
SW	1.4	3.1	1.9	1.5	.2	.1						8.1	7.3
WSW	1.7	2.6	4.0	2.4								10.6	7.8
W	1.8	4.1	6.5	5.3	1.5							19.1	9.4
WNW	1.1	1.6	3.8	2.3	.1							9.0	8.3
NW	.7	2.4	2.5	.6	.1							6.4	7.0
NNW	.9	2.0	2.0	1.0								5.9	7.3
VARBL													
CALM												7.7	
	10.2	25.2	32.7	21.5	2.5	.2	.1					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

1240

0000

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

FEB
MONTH

ALL WEATHER
CLASS

00
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.1	2.1		.7							5.0	8.1
NNE				.7								.7	14.0
NE			.7	2.8	.7							4.3	13.5
ENE	.7		1.4	1.4								3.5	8.4
E		2.8	1.4	1.4								5.7	7.0
ESE		.7	1.4									2.1	7.3
SE	.7	1.4										2.1	4.3
SSE													
S		2.1	1.4	3.5								7.1	9.6
SSW		1.4	2.8	1.4								5.7	9.3
SW	1.4	2.1	4.3	1.4								9.2	7.8
WSW	1.4	1.4	2.1	1.4								6.4	7.6
W	1.4	6.4	4.3	2.1								14.2	6.9
WNW	2.8	3.5	.7	.7								7.8	5.2
NW	2.1	2.1	1.4	.7								6.4	6.3
NNW	.7	.7	3.5	1.4								6.4	8.4
VARBL													
CALM												13.5	
	11.3	27.0	27.7	19.1	1.4							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

FEB
MONTH

ALL WEATHER
CLASS

03
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7	.7	1.4	.7							3.5	11.2
NNE		.7	.7	.7								1.4	8.0
NE	.7	1.4	.7	.7								3.5	6.4
ENE		.7	.7	2.1	.7							4.3	12.3
E	.7		2.1									2.8	6.8
ESE		.7	.7									1.4	5.5
SE	.7	1.4										2.1	4.3
SSE		.7	.7	.7								2.1	8.7
S			.7	1.4								2.1	12.3
SSW	1.4	3.5	2.1	2.8	.7							10.6	8.1
SW	.7	2.8	2.8	1.4								7.8	7.5
WSW	.7	2.8	3.5	.7								7.8	7.5
W	2.1	4.3	3.5	.7								10.6	6.1
WNW	2.1	5.7	3.5	.7								12.1	6.2
NW	.7	3.5	1.4									5.7	5.8
NNW	.7	2.1	1.4	.7								5.0	7.1
VARBL													
CALM												17.0	
	10.6	31.2	25.5	13.5	2.1							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

FEB
MONTH

ALL WEATHER
CLASS

06
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.4	.7	.7		.7						3.5	9.2
NNE			.7									.7	8.0
NE	.7		1.4	1.4								3.5	8.6
ENE		1.4	1.4	1.4	.7							5.0	10.6
E		1.4	1.4									2.8	7.3
ESE		.7	.7	.7								2.1	8.3
SE	.7			.7								1.4	6.5
SSE	.7	.7	.7									2.1	6.0
S	.7		2.8									3.5	7.2
SSW	.7	2.8	2.1	1.4								7.1	7.3
SW	1.4	1.4	4.3	2.8	.7							10.6	9.0
WSW	3.5	2.8		1.4								7.8	5.5
W	2.8	2.8	2.8	.7								9.2	5.9
WNW	3.5	3.5	3.5	1.4								12.1	5.9
NW	.7	2.8	2.1	.7								6.4	6.7
NNW		.7	3.5	1.4								5.7	8.9
VARBL													
CALM												16.3	
	16.3	22.7	27.7	14.9	1.4	.7						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

FEB
MONTH

ALL WEATHER
CLASS

09
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	.7	2.1	.7							3.5	9.8
NNE		.7	2.1	.7								3.5	8.8
NE			1.4	2.1								3.5	11.2
ENE	.7	.7	2.8	.7								5.0	8.1
E		.7	2.1	.7	.7							4.3	10.0
ESE		.7										.7	6.0
SE		1.4	.7	.7								2.8	7.3
SSE		.7	.7	.7								2.1	8.7
S		.7	1.4	1.4								3.5	9.6
SSW	2.1	1.4	6.4	1.4								11.3	7.3
SW	.7	2.8	3.5	2.8	.7							10.6	6.9
WSW		.7	.7	2.8								4.3	11.2
W	.7	5.0	2.1	1.4	1.4							10.6	8.7
WNW	.7	5.0	3.5	2.1	.7							12.1	7.6
NW	1.4	4.3	2.8	1.4								9.9	7.0
NNW	.7	1.4	2.8	.7	.7							6.4	9.0
VARBL													
CALM												5.7	
	7.8	27.0	33.3	22.0	4.3							100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

FEB
MONTH

ALL WEATHER
CLASS

12
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.1		.7								2.8	7.3
NNE		1.4	.7	1.4	.7							4.3	11.0
NE	.7	.7	2.8	.7	.7							5.7	8.4
ENE		2.1	2.8	.7								5.7	8.4
E	.7	2.8	5.0	1.4								9.9	8.3
ESE				.7								.7	11.0
SE													
SSE		.7	.7									1.4	7.5
S			2.1	3.5								5.7	11.4
SSW	.7		2.8	4.3								7.8	10.4
SW		1.4	2.8	3.5		.7						8.5	11.4
WSW		1.4	2.8	4.3	.7							9.2	10.7
W	1.4	2.8	4.3	4.3	.7							13.5	9.3
WNW		2.1	2.1	2.8								7.1	9.2
NW		.7	2.8	2.1	1.4							7.1	11.2
NNW	.7	4.3	1.4	2.8								9.2	7.8
VARBL													
CALM												1.4	
	4.3	22.7	33.3	33.3	4.3	.7						100.0	9.5

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

FEB
MONTH

ALL WEATHER
CLASS

15
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.1	.7	2.8		.7						6.4	11.6
NNE	.7	.7	.7	.7								2.8	8.0
NE	.7	2.8	2.1	2.8								8.5	8.1
ENE		1.4	4.3	1.4								7.1	8.9
E		2.1	2.1	2.1								6.4	8.7
ESE		1.4	.7									2.1	6.7
SE		1.4		.7								2.1	8.3
SSE			.7									.7	10.0
S	.7		2.8	2.1								5.7	8.8
SSW			2.8	3.5								6.4	11.0
SW			1.4	4.3	.7							6.4	13.1
WSW			4.3	2.8	1.4							8.5	12.0
W	.7	1.4	5.7	4.3	1.4	1.4						14.9	11.4
WNW		2.1	2.8	3.5		.7						9.2	11.0
NW		.7	2.1	2.1								5.0	10.6
NNW		2.1	2.8	1.4								6.4	8.8
VARBL													
CALM												1.4	
	2.8	18.4	36.2	34.8	3.5	2.8						100.0	10.1

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

FEB
MONTH

ALL WEATHER
CLASS

18
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.1	2.6	.7								7.1	6.8
NNE	1.4	.7	.7	.7	1.4							5.0	10.4
NE		1.4	4.3	.7								6.4	8.6
ENE	.7	2.1	1.4	1.4								5.7	6.9
E	1.4	3.5	1.4	1.4								7.3	6.5
ESE		2.1										2.1	4.7
SE		.7										.7	4.0
SSE	.7	1.4		2.1								4.3	9.2
S	.7		2.1	.7								3.5	7.6
SSW	.7	2.8	3.5	1.4								8.5	7.3
SW		3.5	1.4	3.5								8.5	9.6
WSW		2.1	.7	.7	.7							4.3	10.0
W	1.4	5.7	6.4	2.6	.7							17.0	7.9
WNW	.7	3.5	1.4	2.1								7.8	7.5
NW		2.8	2.1	1.4								6.4	7.7
NNW		.7	.7	.7								2.1	8.7
VARBL													
CALM												2.3	
	9.2	35.5	29.1	20.6	2.8							100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEAR

FEB
MONTH

ALL WEATHER
CLASS

21
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.4	1.4	1.4								4.3	9.2
NNE	.7	1.4		1.4		.7						4.3	10.8
NE	.7	1.4	2.1	1.4	.7							6.4	9.1
ENE		.7	1.4	.7								2.8	9.5
E	1.4	1.4	2.1	1.4								6.4	7.6
ESE	.7		.7		.7							2.1	8.7
SE	.7	.7	.7									2.1	6.0
SSE	.7		1.4	.7								2.8	8.0
S	.7	1.4	1.4	2.8								6.4	9.3
SSW	1.4	1.4		3.5								6.4	8.9
SW	.7	2.8	4.3	2.1								9.9	7.9
WSW	1.4	1.4	1.4	.7								5.0	6.9
W	4.3	2.1	4.3	2.8	1.4							14.9	8.0
WNW	1.4	2.8	2.1	1.4								7.8	6.3
NW			2.8									2.8	7.8
NNW		2.1	2.1	1.4								5.7	7.5
VARBL													
CALM												9.9	
	14.9	21.3	28.4	22.0	2.8	.7						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS

STATION NAME

73-77

YEARS

FEB
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.6	1.0	1.2	.2	.2						4.3	9.1
NNE	.4	.7	.7	.7	.3	.1						2.8	9.9
NE	.4	1.0	2.0	1.6	.3							5.2	9.1
ENE	.3	1.2	2.0	1.2	.2							4.9	9.0
E	.5	1.9	2.2	1.1	.1							5.8	7.8
ESE	.1	.8	.5	.2	.1							1.7	7.1
SE	.4	.9	.2	.3								1.7	6.1
SSE	.3	.5	.6	.5								2.0	8.3
S	.4	.5	1.9	2.0								4.7	9.4
SSW	.9	1.7	2.8	2.5	.1							8.0	8.5
SW	.6	2.1	3.1	2.7	.3	.1						9.0	9.2
WSW	.9	1.6	2.0	1.9	.4							6.6	8.9
W	1.9	3.5	4.2	2.4	.7	.2						13.1	8.2
WNW	1.4	3.5	2.5	1.9	.1	.1						9.5	7.3
NW	.6	2.1	2.2	1.1	.2							6.2	7.8
NNW	.4	1.8	2.3	1.3	.1							5.9	8.3
VARBL													
CALM												8.5	
	9.7	25.7	30.1	22.5	2.8	.6						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

1128

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS

73-77

YEARS

MAR
MONTH

ALL WEATHER
CLASS

00
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3		.6	.6								2.6	5.8
NNE		1.3	.6	.6	.6							3.2	10.6
NE	.6	1.3	.6	.6	.6							3.9	9.3
ENE	.6	2.6	3.2	1.3								7.7	7.4
E		.6	1.9	.6								3.2	8.2
ESE	3.2	.6		1.3								5.2	5.6
SE		.6	.6	.6								1.9	8.3
SSE	.6	1.3	1.9									3.9	5.7
S		.6	2.6	.6	1.3							5.2	11.4
SSW		2.6	.6	1.9	.6							5.8	9.4
SW	.6	1.3	1.9	2.6	1.3							7.7	10.7
WSW	1.3	1.3	1.3	1.3								5.2	6.8
W	1.9	3.2	1.9	2.6								9.7	7.7
WNW	.6	.6	4.5	.6								6.5	7.4
NW		1.3	1.3	2.6								5.2	9.4
NNW	.6	.6	.6	.6								2.6	8.3
VARBL													
CALM												20.6	
	11.6	20.0	24.5	18.7	4.5							100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

MAR
MONTH

ALL WEATHER
CLASS

03
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.6			.6							2.6	7.3
NNE		.6	1.3									1.9	8.0
NE	1.9	1.9	2.6	1.9								6.5	8.6
ENE		.6	2.6									3.2	8.2
E	1.9	1.9	1.3	.6								3.9	7.0
ESE			1.3	.6								1.9	9.7
SE	.6	1.3	.6	.6								3.2	6.8
SSE		.6	.6	.6								1.9	9.7
S		.6	3.2	.6								4.5	9.1
SSW	1.9		1.3	1.3								4.5	7.1
SW	3.2	3.2	3.2	3.2	.6							10.3	9.5
WSW	.6		1.3	.6	.6							3.2	10.2
W	3.2	3.2	1.9	1.3	1.3							11.0	7.5
WNW		3.2	2.6	1.9								7.7	8.0
NW	.6	1.3	2.6	.6								5.2	7.5
NNW	.6	.6	2.6		.6							4.5	8.4
VARBL													
CALM												23.9	
	9.0	20.0	29.0	14.2	3.9							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

155

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS

STATION NAME

73-77

YEARS

MAR
MONTH

ALL WEATHER
CLASS

06
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3	1.9	1.3								5.8	7.7
NNE	.6	1.9	1.3	1.3	.6							5.8	8.2
NE		.6	1.3									1.9	7.7
ENE		1.9	1.9									3.9	7.0
E	.6	1.3	3.2	.6	.6							6.5	8.6
ESE		.6	.6									1.3	7.0
SE		1.3	.6									1.9	6.3
SSE				.6	.6							1.3	15.0
S	2.6	1.9	1.9	1.3	1.3							9.0	7.7
SSW	.6	.6		1.9								3.2	9.6
SW	1.3	.6	4.5	3.2								9.7	9.5
WSW	.6	.6	.6	.6								2.6	8.3
W	1.3	2.6	3.2	.6								7.7	7.3
WNW	1.3	1.9	3.9	1.3	.6							9.0	8.2
NW	1.3		.6	.6								2.6	6.0
NNW	1.3	.6	4.5	.6								7.1	7.5
VARBL												20.6	
CALM												100.0	6.4
	12.9	18.1	30.3	14.2	3.9								

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

MAR
MONTH

ALL WEATHER
CLASS

09
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6		1.3	2.6	.6							5.2	11.4
NNE		1.3	1.3	3.2								5.8	10.2
NE		1.3	1.3	.6								3.2	8.2
ENE	.6	.6	2.6	.6								4.5	8.1
E	.6	3.9	5.2	.6								10.3	7.8
ESE	1.3	.6	1.9									3.9	5.8
SE		.6	1.9									2.6	8.3
SSE		.6	1.9	.6								3.2	8.4
S	.6	.6	3.9		1.9							7.1	10.8
SSW	.6	1.3	3.2	1.3	1.9							9.4	10.7
SW	.6	.6	2.6	2.6	1.3							7.7	10.4
WSW	1.3		1.9	1.9								5.2	9.0
W		.6	3.2	1.9								5.8	9.9
WNW		2.6	2.6	3.2								8.4	9.2
NW		1.3	2.6	1.3								5.2	8.4
NNW	.6	2.6	1.9	1.9								7.1	7.9
VARBL													
CALM												6.5	
	7.1	18.7	39.4	22.6	5.8							100.0	8.6

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

MAR
MONTH

12
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.6	2.6								3.2	11.4
NNE		1.3	2.6	3.9								7.7	10.8
NE			3.9	1.9								5.8	9.6
ENE		2.6	2.6	.6								5.8	7.7
E	.6	3.2	.6	2.6								7.1	8.5
ESE	.6	1.3	1.9	1.3								5.2	8.5
SE		1.3	1.9	1.3								4.5	8.4
SSE		1.3	.6	1.3								3.2	8.8
S		.6	1.9	3.2	.6							6.5	11.2
SSW	.6	.6	1.9	1.3	1.3	1.3						7.1	13.6
SW		.6	.6	4.5	.6							6.5	13.0
WSW		1.9	2.6	3.9		.6	.6					9.7	12.3
W		.6	1.9	2.6								5.2	12.0
WNW		.6	3.2	1.3	.6	.6						6.5	11.2
NW		3.9	4.5	1.9								10.3	8.1
NNW		1.3	1.9	.6								3.9	9.0
VARBL													
CALM												1.9	
	1.3	21.3	33.5	34.8	3.2	2.6	.6					100.0	10.1

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

MAR
MONTH

ALL WEATHER
CLASS

15
HOURS (L.S.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6	2.6	.6								3.9	8.8
NNE		1.3	2.6	3.2								7.1	9.9
NE	.6	1.9	3.2	1.3								7.1	7.7
ENE	.6	1.9	1.9	2.6								7.1	8.4
E	1.3	4.5	3.2	2.6								11.6	7.3
ESE			1.9									1.9	8.0
SE		1.3	1.3	2.6								5.2	9.1
SSE			.6									.6	8.0
S		.6	4.5	1.9								7.1	9.5
SSW			1.3	3.2	1.9							6.5	14.3
SW		1.3	.6	1.3	2.6	1.9						7.7	16.3
WSW	.6	1.9	.6	1.9	1.3							6.5	10.6
W		1.3	3.2	3.9	1.3							9.7	11.2
WNW		.6	3.9	.6	1.3							6.5	11.3
NW		.6	1.9	2.6								5.2	10.1
NNW	.6	1.3	.6	1.3	1.3							5.2	10.8
VARBL													
CALM												1.3	
	3.9	19.4	34.2	29.7	9.7	1.9						100.0	10.1

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SHOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)14855
STATIONGLENVIEW, ILLINOIS
STATION NAME73-77
YEARSMAR
MONTHALL WEATHER
CLASS18
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	2.6	1.9								5.3	9.1
NNE	.5	1.9	2.6	2.6								7.7	8.3
NE	1.9	1.3	1.9	1.9								7.1	7.7
ENE	1.3	3.2	1.3	.6								6.5	5.9
E	1.9	4.5	3.9	1.3								11.6	6.2
ESE	1.3	.6	.6	.6								3.2	6.8
SE		.6	4.5									5.2	7.4
SSE		.6	.6									1.3	6.5
S		1.3	2.6	.6								4.5	8.3
SSW			1.3	2.6	.6							4.5	13.7
SW	1.9	.6	.6	3.2								6.5	8.8
WSW		3.9	3.2	.6								7.7	7.8
W		3.2	2.6	3.2	1.9							11.0	10.9
WNW	1.9		3.9	.6								6.5	7.6
NW	.6	1.3	1.3	.6			.6					3.9	7.5
NNW		.6	.6	.6								2.6	13.3
VARBL													
CALM												4.5	
	11.6	25.2	34.2	21.3	2.6		.6					100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

0000

14855
STATION

GLENVIEW, ILLINOIS

STATION NAME

73-77

YEARS

MAR

MONTH

ALL WEATHER

CLASS

21

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

0000

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.9		1.9								4.5	7.3
NNE	1.3	1.3	1.3	1.9	.6							7.1	8.8
NE	1.3	.6	3.2									5.2	6.4
ENE	.6	.6	1.3	.6								3.2	7.4
E	2.6	1.3	2.6	1.3								7.7	6.8
ESE	1.3	.6	.6	1.3								3.9	7.8
SE	1.3	1.9	1.3	.6								5.2	6.5
SSE	1.3	1.3	1.9	.6								5.2	7.4
S	.6	.6	1.3	1.3								3.9	9.5
SSW	1.3	1.3	.6	3.2	.6							7.1	10.4
SW	.6	1.9	.6	1.9								5.2	9.0
WSW	1.3	1.3	1.9	.6								3.2	7.0
W	1.3	4.5	2.6	4.5								12.9	8.8
WNW	1.3	1.9	2.6	.6								6.5	6.8
NW	.6	.6	.6	.6								2.6	6.8
NNW		1.3										1.3	4.5
VARBL													
CALM												13.5	
	17.4	23.9	22.6	21.3	1.3							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

155

0000

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS

STATION NAME

73-77

YEARS

MAR

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

0000

1800

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.7	1.2	1.5	.2							4.2	8.0
NNE	.3	1.5	1.7	2.1	.2							5.8	9.4
NE	.6	1.1	2.3	1.0	.1							5.1	8.1
ENE	.5	1.8	2.2	.8								5.2	7.5
E	1.0	2.7	2.7	1.3	.1							7.7	7.4
ESE	1.0	.6	1.1	.6								3.3	7.2
SE	.2	1.1	1.6	.7								3.7	7.7
SSE	.2	.7	1.0	.5	.1							2.5	8.1
S	.5	.9	2.7	1.2	.6							6.0	9.6
SSW	.6	.8	1.3	2.1	.9	.2						5.9	11.3
SW	.6	1.3	1.9	2.6	.8	.2						7.7	10.9
WSW	.7	1.4	1.7	1.5	.2	.1	.1					5.6	9.3
W	1.0	2.4	2.6	2.6	.9							9.1	9.2
WNW	.6	1.5	3.4	1.3	.3	.1						7.2	8.7
NW	.4	1.3	1.9	1.4								5.0	8.2
NNW	.5	1.1	1.6	.7	.2		.1					4.3	8.8
VARBL													
CALM												11.6	
	9.4	20.8	31.0	22.1	4.4	.6	.2					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

1240

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
14835

STATION NAME
GLENVIEW, ILLINOIS

YEARS
73-77

MONTH
APR

CLASS
ALL WEATHER

MOON
00

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	1.3	1.3								4.0	9.2
NNE	2.0	1.3	2.0	2.0	1.3	.7						9.3	10.1
NE		1.3	2.0	2.0								5.3	9.0
ENE	.7	1.3		1.3		.7						4.0	10.5
E	1.3	1.3	1.3									4.0	5.2
ESE	1.3	1.3	.7	1.3								4.7	6.9
SE	.7	1.3										2.0	4.3
SSE	2.0	.7	1.3	.7								4.7	6.6
S	2.0	.7	3.3	2.0								6.0	8.4
SSW	2.0	2.0	2.0	.7								6.7	5.8
SW	2.0	1.3	1.3	.7								5.3	6.1
WSW	1.3	1.3	.7	1.3								4.7	7.3
W		1.3	2.7	.7								4.7	9.0
WNW		.7	2.7	.7								4.0	8.7
NW		.7										.7	4.0
NNW	.7		1.3	.7								2.7	9.3
VARBL													
CALM												25.3	
	16.7	17.3	22.7	15.3	1.3	1.3						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

150

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

APR
MONTH

ALL WEATHER
CLASS

03
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	2.0	.7								4.0	8.2
NNE	4.0	1.3	1.3	.7	.7							8.0	6.8
NE	.7	2.0	2.0	1.3	1.3							7.3	9.9
ENE	.7	1.3		2.0								4.0	8.8
E		1.3	2.0									3.3	7.4
ESE	1.3	1.3	1.3	1.3								5.3	7.3
SE		.7	.7									1.3	5.5
SSE		.7	.7	.7								2.0	8.7
S	1.3	1.3	2.7	1.3								6.7	7.7
SSW		.7	5.3	2.0								8.0	9.4
SW	.7	2.0	1.3	.7								4.7	7.1
WSW		.7	2.7									3.3	7.4
W	1.3	2.7	1.3	1.3								6.7	7.0
WNW	1.3		1.3									2.7	5.5
NW	2.0	1.3	2.0									5.3	5.3
NNW		2.0	.7									2.7	5.8
VARBL													
CALM												24.7	
	13.3	20.7	27.3	12.0	2.0							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

SURFACE WINDS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

APR
MONTH

ALL WEATHER
CLASS

06
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.7	1.3	1.3								4.7	7.4
NNE	2.7	1.3	2.0	2.0								8.0	7.2
NE	1.3	2.7	1.3	1.3	1.3							8.0	8.5
ENE	.7		2.7	.7			.7					4.7	11.4
E	.7	1.3	2.0	1.3								5.3	7.8
ESE	.7	.7	1.3	1.3								4.0	7.8
SE	.7	1.3										2.0	4.7
SSE	1.3	1.3	.7									3.3	4.6
S	.7	2.0	1.3	2.0								6.0	8.3
SSW	.7	.7	2.0	2.7								6.0	9.6
SW	.7	4.0	2.7									7.3	6.4
WSW	.7	2.0	1.3	.7								4.7	6.9
W	1.3	3.3	1.3	.7								6.7	6.0
WNW	.7	1.3	1.3									3.3	5.0
NW	2.0	.7		.7								3.3	5.0
NNW		2.0	.7									2.7	5.5
VARBL													
CALM												20.0	
	16.0	25.3	22.0	14.7	1.3		.7					100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS

STATION NAME

73-77

YEARS

APR
MONTH

09
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.0	2.0	3.3	.7							8.0	10.1
NNE	1.3	.7	2.7	2.0	2.0							8.7	11.2
NE		2.7	2.7	2.7		1.3						6.7	13.4
ENE	.7	2.0	4.7									7.3	7.5
E	.7	2.7		2.0								5.3	7.5
ESE		.7	2.0	.7	.7							4.0	10.0
SE	.7		3.3									4.0	8.0
SSE		1.3	.7	.7								2.7	8.5
S		2.0	4.7	2.0	1.3							10.0	9.9
SSW		2.0	2.0	3.3	.7							8.0	10.4
SW		2.0	3.3	1.3								6.7	8.5
WSW		2.7	2.7	2.7								8.0	9.0
W	.7		2.7	1.3								4.7	8.0
WNW		.7	2.7	.7								4.0	8.8
NW		1.3	1.3	.7								3.3	8.4
NNW	.7		1.3									2.0	6.7
VARBL													
CALM												6.7	
	4.7	20.0	38.7	23.3	5.3	1.3						100.0	8.8

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

APR
MONTH

12
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	1.3	2.7								5.3	10.0
NNE	.7		2.0	4.7	1.3							8.7	12.5
NE		1.3	3.3	2.0	.7	1.3						8.7	12.2
ENE		2.7	6.0	.7								9.3	8.1
E		2.7	5.3	.7	.7							9.3	8.8
ESE		.7	2.7	2.0								5.3	10.4
SE			.7	.7								1.3	11.0
SSE		.7	2.0	1.3								4.0	10.2
S	2.0	2.0	2.0	2.0	.7	.7						9.3	9.6
SSW			3.3	4.7								8.0	11.9
SW			2.0	2.7	.7							5.3	12.8
WSW		1.3	1.3	1.3	1.3							5.3	11.5
W		2.0	1.3	2.7		.7						6.7	10.7
WNW		2.7	2.7	2.0								7.3	8.9
NW		.7	.7	1.3								2.7	10.8
NNW		1.3	.7									2.0	5.7
VARBL													
CALM												1.3	
	2.7	19.3	37.3	31.3	5.3	2.7						100.0	10.3

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

APR
MONTH

ALL WEATHER
CLASS

15
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7		.7	3.3								4.7	11.0
NNE		.7	4.7	8.0	.7							14.0	11.7
NE		2.7	4.0	1.3	.7	.7						9.3	9.9
ENE	.7	1.3	5.3	1.3								8.7	7.9
E		2.7	7.3	1.3								11.3	7.7
ESE		.7	2.7	2.0								5.3	9.0
SE			1.3									1.3	8.0
SSE	.7		.7	.7								2.0	9.3
S		.7	.7	3.3	1.3							6.0	13.7
SSW		.7	3.3	4.7	1.3							10.0	11.7
SW		2.7	1.3	1.3	1.3							6.7	10.7
WSW			1.3	2.0	.7	.7						4.7	15.0
W		.7	2.7	2.7	.7							6.7	11.4
WNW		.7	2.7	1.3	.7							5.3	10.4
NW			1.3	1.3								2.7	11.5
NNW		.7										.7	6.0
VARBL													
CALM												.7	
	2.0	14.0	40.0	34.7	7.3	1.3						100.0	10.5

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
14855

STATION NAME
GLENVIEW, ILLINOIS

YEARS
73-77

MONTH
APR

CLASS
ALL WEATHER

MOUSE (L.S.T.)
18

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			1.3	1.3								2.7	10.8
NNE	.7	2.7	4.0	4.0								12.0	10.0
NE	.7	4.0	4.0	2.7	.7	.7						12.0	8.8
ENE	1.3	4.0	1.3	1.3				.7				8.7	8.8
E	.7	5.3	2.0	.7								8.7	6.4
ESE	1.3	2.0	3.3									6.7	6.0
SE	.7	1.3	1.3									3.3	5.8
SSE		1.3	.7									2.0	6.3
S		.7	1.3	4.7	.7							7.3	12.9
SSW		1.3	2.7		.7							4.7	9.1
SW	.7	2.0	2.0	2.7								7.3	9.1
WSW			2.7	2.0								4.7	10.3
W	.7		2.7	4.7	1.3							9.3	12.1
WNW	.7		1.3	.7								2.7	8.0
NW	.7	.7	3.3									2.0	7.0
NNW												3.3	8.6
VARBL													
CALM												2.7	
	8.0	25.3	34.0	25.3	3.3	.7		.7				100.0	8.9

TOTAL NUMBER OF OBSERVATIONS

150

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

APR
MONTH

ALL WEATHER
CLASS

21
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	1.3	3.3	.7	.7	.7						9.3	8.3
NNE		2.0	2.7	.7								5.3	8.0
NE	.7	2.0	2.7	1.3	.7							7.3	8.7
ENE	.7	1.3		1.3	.7							4.0	9.2
E	1.3	4.0	1.3	.7								7.3	5.6
ESE	.7	.7		.7								2.0	7.0
SE	2.7	1.3										4.0	3.2
SSE	1.3		2.0	.7								4.0	7.3
S	1.3	3.3	2.7	1.3	.7							9.3	7.6
SSW	.7	1.3	.7	.7								3.3	6.2
SW	.7	4.0	.7	2.0								7.3	8.2
WSW	2.0	1.3	2.0									5.3	5.4
W		.7	2.7	2.0	.7							6.0	11.1
WNW	.7		1.3									2.0	7.0
NW	.7	.7										1.3	3.0
NNW		.7		.7								1.3	8.0
VARBL													
CALM												20.7	
	16.0	24.7	22.0	12.7	3.3	.7						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

APR
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNOTS) D/R.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.9	1.7	1.8	.2	.1						5.3	9.3
NNE	1.4	1.2	2.7	3.0	.7	.2						9.2	10.0
NE	.4	2.0	2.7	1.8	.7	.4						8.1	10.0
ENE	.7	1.7	2.5	1.1	.1	.1	.1					6.3	8.8
E	.6	2.7	2.7	.8	.1							6.8	7.2
ESE	.7	1.0	1.7	1.2	.1							4.7	8.0
SE	.7	.7	.9	.1								2.4	5.9
SSE	.7	.7	1.1	.6								3.1	7.6
S	.9	1.6	2.3	2.3	.6	.1						7.8	9.7
SSW	.4	1.1	2.7	2.3	.3							6.8	9.7
SW	.6	2.2	1.8	1.4	.2							6.3	8.6
WSW	.5	1.2	1.8	1.2	.2	.1						5.1	9.1
W	.5	1.3	2.2	2.0	.3	.1						6.4	9.6
WNW	.4	.7	2.0	.7	.1							3.9	8.2
NW	.7	.7	.7	.6								2.7	7.2
NNW	.2	.8	1.0	.2								2.2	7.1
VARBL													
CALM												12.7	
	9.9	20.8	30.5	21.2	3.7	1.0	.1	.1				100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

1200

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

MAY
MONTH

ALL WEATHER
CLASS

00
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	3.2	.6	1.3								7.7	5.1
NNE	1.9	1.3	2.6	1.3								7.1	6.9
NE		1.3	2.6		.6							4.5	9.3
ENE	1.3											1.3	3.0
E	1.3	.6	1.3	.6								3.9	7.3
ESE	.6	1.9	.6									3.2	4.8
SE		1.9										1.9	4.7
SSE		1.3		.6								1.9	7.3
S	1.3	1.3		.6								3.2	5.4
SSW	1.9	1.3	1.3	.6	.6							5.8	6.9
SW	.6	3.9	2.6		.6							7.7	7.0
WSW	1.3	2.6	1.3									5.8	4.8
W	1.3	4.5	.6									6.5	4.8
WNW		.6										.6	4.0
NW	.6	1.3										1.9	3.3
NNW	.6		.6									1.3	4.5
VARBL													
CALM												35.5	
	16.1	27.1	14.2	5.2	1.9							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

MAY
MONTH

ALL WEATHER
CLASS

03
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.0	.6	.6								5.3	5.1
NNE	1.3	1.9	1.9	.6	.6							6.3	7.5
NE	.6	2.0	.6	.6								4.5	6.3
ENE		1.3	.6	.6								2.6	9.0
E	.6		1.9	1.3								3.9	8.7
ESE		1.3	.6									1.9	6.0
SE		.6	.6									1.3	5.5
SSE		.6	1.3	.6								2.6	9.5
S	1.3	1.9	1.9	.6								5.2	5.6
SSW	1.3	1.9	1.9	.6								5.8	6.6
SW	.6	2.6	1.9	.6								5.8	6.7
WSW	3.2	2.6	1.3	.6								7.7	5.2
W	3.2	2.6	2.6									6.4	4.5
WNW	.6	2.6	.6									3.9	5.2
NW	.6	.6										1.3	3.0
NNW	1.3		.6									1.9	5.0
VARBL													
CALM												31.0	
	16.8	25.8	19.4	5.8	1.3							100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

MAY
MONTH

ALL WEATHER
CLASS

06
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3	1.9	.6								4.5	6.1
NNE	.6	1.9	1.3	1.3								5.2	7.8
NE	1.3		2.6	.6								4.5	7.3
ENE	1.9	3.2	1.3	.6								7.1	5.6
E	1.9	4.5	1.3	.6								8.4	5.9
ESE	1.3	.6										1.9	3.0
SE													
SSE	1.3	1.9										3.2	4.4
S	1.3	1.3	.6	1.3								4.5	6.9
SSW	1.3	1.9	2.6	1.3								7.1	7.5
SW	.6	2.6	1.3	1.9								6.5	8.1
WSW	1.3	2.6	1.3									5.2	5.6
W	4.5	2.6	.6	.6								8.4	4.5
WNW	.6	3.9										4.5	5.3
NW		1.9	.6	.6								3.2	7.4
NNW		1.9										1.9	4.3
VARBL													
CALM												23.9	
	18.7	32.3	15.5	9.7								100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

AD-A062 042

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS), GLENNIE--ETC(U)
JUL 78

F/G 4/2

UNCLASSIFIED

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2 OF 4
ADA
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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14055
STATION

GLENVIEW, ILLINOIS

STATION NAME

73-77

YEARS

MAY
MONTH

ALL WEATHER
CLASS

09
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3	1.3	1.3	1.3							4.5	7.6
NNE		4.5	3.9	1.3	1.3							11.0	8.7
NE	1.3	1.9	1.3	1.9								6.5	8.0
ENE	1.3	3.2	3.2	1.9								9.7	7.2
E	1.3	3.2	1.9	1.9								8.4	7.8
ESE		2.6	.6									3.2	5.4
SE	.6	.6		.6								1.9	5.7
SSE													
S		1.9	3.9	1.3	.6							7.7	9.2
SSW	.6	1.3	2.6	.6	.6							5.8	8.6
SW		1.9	3.9	1.9	.6							8.4	9.0
WSW		.6	3.2	1.3	.6							5.8	10.4
W	1.3	1.9	2.6	2.6								8.4	7.8
WNW		3.2	4.5	1.3								9.0	8.2
NW	.6		1.9									2.6	7.0
NNW	.6		.6									1.3	6.5
VARBL													
CALM												5.8	
	8.4	28.4	35.5	18.1	3.9							100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

0000

14855
STATION

GLENVIEW, ILLINOIS

STATION NAME

73-77

YEARS

MAY

MONTH

12

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

0000

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6		1.3	.6								2.6	8.5
NNE		2.6	3.9	1.9	.6							9.0	9.4
NE		3.2	2.6	5.2								11.0	9.8
ENE	.6	3.9	6.5	1.3								12.3	7.9
E	.6	4.5	7.1		.6							12.9	7.7
ESE	.6	1.3	1.3	.6								3.9	6.2
SE	.6		.6									1.3	5.0
SSE			.6	.6								1.3	12.0
S		2.6	.6	.6	.6							4.5	8.4
SSW	1.3	2.6	1.9	1.9								7.7	7.7
SW		.6	.6	2.6	.6			.6				5.2	16.0
WSW		1.3	4.5	3.2								9.0	10.5
W		3.2	.6	3.2								7.1	8.6
WNW		1.9	3.9	1.3								7.1	8.4
NW			3.2									3.2	9.2
NNW		.6		.6								1.3	9.0
VARBL													
CALM												.6	
	4.5	28.4	39.4	23.9	2.6			.6				100.0	8.9

TOTAL NUMBER OF OBSERVATIONS

155

0000

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14955
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

MAY
MONTH

ALL WEATHER
CLASS

15
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6	1.3									2.6	6.0
NNE		1.9	5.8	1.9	.6							10.3	9.4
NE	1.3	4.3	5.8	2.6	1.3							15.5	8.4
ENE		3.9	5.8	.6								10.3	7.9
E	1.9	3.2	7.7	.6								13.5	7.0
ESE	.6	1.3	2.6	1.9								6.5	8.7
SE			1.3									1.3	8.5
SSE			.6	.6								1.3	9.0
S	.6		.6	1.3								2.6	9.3
SSW			3.2	1.3								4.5	9.0
SW		1.9	1.3	1.3	.6							5.2	10.3
WSW	1.3	1.9	.6	2.6								6.5	8.4
W		1.3	1.9	7.1	.6							11.0	12.3
WNW		.6	2.6									3.2	8.2
NW			3.2									3.2	9.6
NNW			.6									.6	10.0
VARBL													
CALM												1.9	
	6.5	21.3	45.2	21.9	3.2							100.0	8.7

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

0000

14855
STATION

GLENVIEW, ILLINOIS

73-77

YEARS

MAY
MONTH

ALL WEATHER
CLASS

18
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

0000

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6	.6	.6								2.6	7.3
NNE	.6	1.9	8.4	2.6								13.5	8.5
NE		3.2	3.2	1.9								8.4	8.5
ENE	3.9	3.2	4.5									11.6	5.4
E	.6	11.0	3.2									14.8	5.4
ESE		3.9										3.9	4.8
SE	.6	2.6	1.3									4.5	5.4
SSE	.6	.6	.6	.6								2.6	8.3
S	.6	.6	2.6	1.3								5.2	7.8
SSW		.6	1.3	1.3								3.2	10.2
SW	.6	1.3	1.3	.6	.6							4.5	8.7
WSW	1.3	1.9	.6	3.9								7.7	8.7
W	.6	1.3	3.2	2.6								7.7	9.3
WNW		1.3	2.6	.6								4.5	8.3
NW		.6	1.3									1.9	7.3
NNW			.6									.6	8.0
VARBL													
CALM												2.6	
	10.3	34.8	35.5	16.1	.6							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

155

0000

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

MAY
MONTH

ALL WEATHER
CLASS

21
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	1.3	3.2									5.8	6.2
NNE	1.3	5.8	2.6	.6	.6							11.0	6.7
NE	1.3	1.3	2.6	1.3								6.5	7.7
ENE	3.2	1.3	.6									5.2	3.9
E	3.2	1.9	.6									5.8	4.1
ESE	1.3	3.9	.6									5.8	5.1
SE	1.9	2.6	1.3									5.8	5.1
SSE	1.3											1.3	2.0
S	1.9	2.6	1.9	.6								7.1	5.6
SSW	.6	1.3	1.9	.6	.6							5.2	9.0
SW		2.6	.6	.6								3.9	6.3
WSW	1.3	3.9	2.6									7.7	5.5
W	1.3	3.9	1.9									7.1	5.2
WNW	1.3		.6	.6								2.6	7.0
NW			.6									.6	9.0
NNW		.6	.6									1.3	7.0
VARL													
CALM												17.4	
	21.3	32.9	22.6	4.5	1.3							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

MAY
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.4	1.4	.6								4.5	6.2
NNE	.7	2.7	3.8	1.5	.5							9.2	8.2
NE	.7	2.3	2.7	1.8	.2							7.7	8.4
ENE	1.5	2.5	2.6	.6	.1							7.5	6.6
E	1.5	3.6	3.1	.6	.1							9.0	6.6
ESE	.6	2.1	.8	.3								3.8	5.9
SE	.3	1.0	.6	.1								2.3	5.5
SSE	.4	.6	.4	.4								1.8	7.3
S	.9	1.3	1.5	.9	.2							5.0	7.3
SSW	.9	1.4	2.1	1.0	.2							5.6	8.0
SW	.3	2.2	1.7	1.2	.4			.1				5.9	8.9
WSW	1.3	2.2	1.9	1.5	.1							6.9	7.5
W	1.5	2.7	1.6	2.0	.1							8.1	7.4
WNW	.3	1.8	1.9	.5								4.4	7.4
NW	.2	.6	1.4	.1								2.3	7.4
NNW	.3	.4	.5	.1								1.3	6.3
VARBL													
CALM												14.8	
	12.8	28.9	28.4	13.1	1.9			.1				100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

JUN
MONTH

ALL WEATHER
CLASS

00
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.7		2.0								4.0	7.5
NNE		1.3	2.0									3.3	7.4
NE	.7	3.3										4.0	4.8
ENE	1.3	1.3	.7									3.3	4.2
E	.7	.7	.7									2.0	4.7
ESE													
SE	.7		.7									1.3	6.0
SSE		1.3										1.3	4.5
S	.7	1.3	4.7	.7								7.3	7.8
SSW	.7	2.7	2.0	.7								6.0	6.8
SW		4.0	2.7	.7								7.3	7.0
WSW	1.3	5.3	1.3									8.0	4.8
W	2.0	4.0	2.0	.7								8.7	5.5
WNW	.7	1.3	.7									2.7	6.0
NW	.7	.7										1.3	4.5
NNW	2.0	.7										2.7	3.3
VARBL													
CALM												36.7	
	12.7	28.7	17.3	4.7								100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS

STATION NAME

73-77

YEARS

JUN

MONTH

ALL WEATHER

CLASS

03

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.3	1.3	1.3								4.7	6.0
NNE		2.0	2.0	.7	.7							5.3	9.3
NE	.7		.7									1.3	6.0
ENE													
E													
ESE	.7	.7										1.3	3.0
SE													
SSE	2.0	1.3		.7								4.0	5.5
S	.7	3.3	.7	.7								5.3	5.9
SSW	2.0	3.3	2.7									8.0	5.7
SW	2.7	6.0	3.3									12.0	5.5
WSW	2.7	4.0	.7									7.3	4.0
W	2.7	2.0	1.3	.7								6.7	5.2
WNW	.7	2.0	.7									3.3	4.6
NW		.7										.7	5.0
NNW	1.3				.7							2.0	8.0
VARBL													
CALM												38.0	
	16.7	26.7	13.3	4.0	1.3							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

14955
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

JUN
MONTH

ALL WEATHER
CLASS

06
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	.7	2.0	.7								5.3	6.3
NNE	1.3	2.0	2.0	.7								6.0	6.1
NE		.7	.7									1.3	7.5
ENE		.7										.7	5.0
E		2.0										2.0	5.0
ESE		.7	1.3									2.0	7.7
SE		2.0										2.0	5.7
SSE		1.3		.7								2.0	9.3
S	.7	2.7	1.3									4.7	5.1
SSW	2.0	3.3	4.7	1.3								11.3	7.0
SW	.7	4.0	2.7	1.3								8.7	6.8
WSW	1.3	6.0	2.0									9.3	5.2
W	3.3	5.3	3.3	.7								12.7	5.8
WNW													
NW		2.0										2.0	5.0
NNW		.7	.7		.7							2.0	9.3
VARBL													
CALM												28.0	
	11.3	34.0	20.7	5.3	.7							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
14855

GLENVIEW, ILLINOIS

73-77

YEARS

JUN

MONTH

ALL WEATHER

CLASS

09

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	.7	3.3	.7		.7						7.3	8.3
NNE		3.3	2.0	1.3								6.7	7.4
NE	.7	4.0	1.3									6.0	5.9
ENE	.7	2.0	2.0	1.3								6.0	7.6
E		2.0	.7									2.7	5.8
ESE			2.0									2.0	9.0
SE		2.0	2.0									4.0	6.0
SSE	1.3	1.3	.7	.7								4.0	6.2
S	.7	2.0	1.3	.7								4.7	7.0
SSW		2.7	7.3	1.3								11.3	8.2
SW		3.3	2.7	2.7								8.7	8.4
WSW		2.7	6.0	2.7								11.3	8.4
W	.7	2.7	6.0	1.3								10.7	8.2
WNW	.7	.7	2.0	.7	.7							4.7	9.4
NW		1.3	1.3									2.7	6.0
NNW		.7	1.3									2.0	7.3
VARBL													
CALM												5.3	
	6.7	31.3	42.0	13.3	.7	.7						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS

STATION NAME

73-77

YEARS

JUN

MONTH

12

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	1.3	2.0								4.0	9.3
NNE	.7	.7	3.4	.7		.7						6.0	9.6
NE		.7	4.0	2.0								6.7	9.4
ENE	.7	5.4	2.7	.7								9.4	6.1
E	1.3	2.0	6.7									10.1	6.9
ESE	.7	.7	.7									2.0	5.3
SE		.7	.7	.7								1.3	10.0
SSE		.7	2.0	.7								3.4	9.0
S	.7	.7	4.0	1.3								6.7	9.4
SSW		1.3	4.0	2.0								7.4	9.1
SW			5.0	2.7								8.7	10.0
WSW		2.0	4.0	4.0								10.1	10.6
W	.7	3.4	8.7	2.7								15.4	8.5
WNW	.7	.7	.7	2.0								4.0	9.2
NW		2.0		.7								2.7	7.0
NNW			1.3	.7								2.0	10.3
VARBL													
CALM												.0	
	5.4	20.8	50.3	22.8		.7						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS

149

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

JUN
MONTH

ALL WEATHER
CLASS

15
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.7	1.3	1.3							3.3	14.4
NNE		.7	2.0	.7	.7							4.0	11.2
NE		4.7	3.3	2.0	.7							10.7	8.9
ENE	.7	5.3	3.3									9.3	6.2
E		2.0	5.3	.7								8.0	7.8
ESE		.7	3.3									4.0	7.5
SE	.7	.7	3.3									4.7	7.4
SSE			1.3									1.3	10.0
S		3.3	2.7	1.3	.7							8.0	9.3
SSW	.7		2.7	2.0								5.3	9.5
SW		2.0	2.7	4.0	.7							9.3	10.4
WSW		2.7	1.3	2.7								6.7	8.7
W	.7	4.0	5.3	5.3								15.3	9.2
WNW		.7	2.0	.7								3.3	8.8
NW	.7		.7	.7								2.0	9.0
NNW		.7	2.0									2.7	7.5
VARBL													
CALM												2.0	
	3.3	27.3	42.0	21.3	4.0							100.0	8.8

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

JUN
MONTH

ALL WEATHER
CLASS

18
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7		2.0	2.7								5.3	10.1
NNE	.7	2.7	2.7	2.7	.7							9.3	8.9
NE	2.0	2.7	2.0	1.3								8.0	6.5
ENE	1.3	5.3	2.0	.7								9.3	5.9
E	1.3	4.7	2.0									8.0	5.5
ESE		1.3	4.0									5.3	7.3
SE		.7	2.7									3.3	7.0
SSE		.7	2.0									2.7	7.0
S	.7	1.3	4.0	1.3								7.3	8.5
SSW		.7	4.7	.7								6.0	8.6
SW		1.3	2.0	1.3								4.7	8.7
WSW	.7	2.0	.7	2.0								5.3	8.3
W	1.3	2.7	7.3	1.3	.7							13.3	8.6
WNW	.7	1.3	.7	.7								3.3	6.0
NW	.7	1.3										2.0	3.7
NNW	.7			.7								1.3	6.5
VARBL													
CALM												5.3	
	10.7	28.7	38.7	15.3	1.3							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

JUN
MONTH

ALL WEATHER
CLASS

21
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3	1.3	1.3								5.3	7.0
NNE	2.7	2.7	1.3	.7								7.3	5.7
NE	1.3	2.7	1.3									5.3	5.0
ENE		2.0	2.0	.7								4.7	7.1
E	1.3											1.3	2.3
ESE	2.7	1.3		.7								4.7	4.4
SE	2.7	.7										3.3	3.2
SSE	1.3	.7	.7									2.7	5.3
S	.7	4.7	1.3	1.3								8.0	6.4
SSW	.7	2.7	3.3	.7								7.3	7.2
SW	.7	2.7	4.7									8.0	6.8
WSW	2.7	2.0	1.3									6.0	4.4
W	.7	6.0	2.0	.7								9.3	5.9
WNW	.7	.7										1.3	4.0
NW													
NNW		1.3										1.3	4.5
VARBL													
CALM												24.0	
	19.3	31.3	19.3	6.0								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS

73-77

STATION NAME

YEARS

JUN
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.7	1.5	1.5	.2	.1						4.9	8.6
NNE	.7	1.9	2.2	.9	.3	.1						6.0	8.1
NE	.7	2.3	1.7	.7	.1							5.4	7.1
ENE	.6	2.8	1.6	.4								5.3	6.2
E	.6	1.7	1.9	.1								4.3	6.3
ESE	.5	.7	1.4	.1								2.7	6.4
SE	.5	.8	1.2	.1								2.5	6.3
SSE	.6	.9	.8	.3								2.7	6.9
S	.6	2.4	2.5	.9	.1							6.5	7.6
SSW	.8	2.1	3.9	1.1	.1							7.8	7.6
SW	.5	2.9	3.3	1.6	.1							8.4	7.8
WSW	1.1	3.3	2.2	1.4								8.0	7.0
W	1.5	3.8	4.5	1.7	.1							11.5	7.4
WNW	.5	.9	.8	.5	.1							2.8	7.4
NW	.3	1.0	.3	.2								1.7	6.1
NNW	.5	.5	.7	.2	.2							2.0	7.1
VARBL													
CALM												17.4	
	10.8	28.6	30.4	11.6	1.0	.2						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

1199

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

JUL
MONTH

ALL WEATHER
CLASS

00
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	1.3		.6								5.2	4.1
NNE	.6	.6	1.9									3.2	6.0
NE	1.3											1.3	3.0
ENE			.6	.6								1.3	11.0
E	.6	.6	.6									1.9	3.0
ESE	.6	.6	.6									1.3	6.0
SE	.6	.6	.6									1.9	5.3
SSE	1.9	.6	.6									3.2	3.6
S	.6	.6	3.2	.6								5.2	8.4
SSW	1.9	2.6	3.2	1.3								9.0	6.9
SW	2.6	1.3	2.6									6.3	5.6
WSW	2.6	4.5	1.3									8.4	4.5
W	3.2	5.2	1.9									10.3	4.8
WNW		1.9										1.9	4.0
NW	.6	2.6										3.2	4.4
NNW	.6											.6	2.0
VARBL													
CALM												35.5	
	21.3	22.6	17.4	3.2								100.0	3.5

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
14855

STATION NAME
GLENVIEW, ILLINOIS

YEARS
73-77

MONTH
JUL

CLASS
ALL WEATHER

HOURS (L.S.T.)
03

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.9	1.3									4.5	4.9
NNE		.6	.6									1.3	6.5
NE		.6	.6	1.3								2.6	9.5
ENE	.6	1.3	.6									2.6	5.8
E		.6										.6	5.0
ESE	1.9	.6	1.3									3.9	5.0
SE													
SSE													
S	.6	1.9	.6	.6								3.9	6.3
SSW	1.9	2.6	3.2									7.7	6.0
SW	1.9	1.9	2.6	.6								7.1	6.4
WSW	2.6	1.9	5.2	.6								10.3	6.9
W	2.6	2.6	1.9	.6								7.7	5.6
WNW	.6	.6										1.3	3.5
NW	.6	.6	.6									1.9	4.7
NNW	3.2											3.2	2.0
VARBL													
CALM												41.3	
	18.1	18.1	18.7	3.9								100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS

STATION NAME

73-77

YEARS

JUL

MONTH

06

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	.6	1.9									5.8	4.8
NNE		1.9	1.3									3.2	6.2
NE	2.6		.6									3.2	3.6
ENE		1.3	.6	.6								2.6	7.8
E		.6	.6									1.3	7.0
ESE		.6										.6	4.0
SE		.6	.6									1.3	7.0
SSE				.6								.6	12.0
S	3.9	5.8	.6									10.3	4.3
SSW	1.3	.6	1.3									3.2	5.6
SW	3.9	3.9	1.3	.6								5.8	6.2
WSW	1.9	3.2	3.2	.6								9.0	6.3
W	2.6	6.4	3.2	.6								14.8	5.6
WNW	.6	1.3	1.3									3.2	5.8
NW	1.9	1.3										3.2	3.2
NNW		1.9										1.9	5.3
VARBL													
CALM												29.7	
	18.1	32.3	16.8	3.2								100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

155

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

JUL
MONTH

ALL WEATHER
CLASS

09
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			1.9	.6								2.6	11.3
NNE	.6	2.6	1.3									4.5	5.7
NE	1.3	3.2	2.6	2.6								9.7	7.9
ENE	1.3	2.6	1.3	1.3								6.5	6.7
E	.6	1.3	.6									2.6	5.0
ESE		1.9	.6									2.6	5.5
SE	.6	.6										1.3	3.5
SSE		.6	1.3									1.9	6.3
S	1.3	1.9	.6	.6								4.5	6.4
SSW		4.5	2.6	.6								7.7	6.7
SW	1.3	5.2	3.9	1.3								11.6	6.9
WSW	1.9	3.9	3.9									9.7	6.1
W	2.6	7.1	4.5	3.9								18.1	7.4
WNW	.6	1.3	1.3	.6								3.9	6.5
NW	1.9	.6	1.9									4.5	5.4
NNW	1.3	1.9										3.2	4.4
VARBL													
CALM												5.2	
	15.5	39.4	28.4	11.6								100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

JUL
MONTH

ALL WEATHER
CLASS

12
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6		1.3	.6								2.6	9.3
NNE		1.3	1.3	1.3								3.9	9.0
NE	.6	2.6	3.2	1.9	.6							9.0	8.7
ENE	1.3	2.6	5.2	.6								9.7	7.0
E	.6	2.6	5.8	.6								9.7	6.9
ESE			.6									.6	8.0
SE		.6		.6								1.3	8.0
SSE			.6									.6	8.0
S	1.3	1.9	2.6	1.3								7.1	6.9
SSW		2.6	3.9	1.3								7.7	8.0
SW			5.8	1.9	.6							8.4	10.0
WSW	1.3	.6	5.2	1.9	.6							9.7	8.7
W	1.9	2.6	5.8	4.5	.6							15.5	9.0
WNW	.6	1.3	2.6	1.3								5.8	7.4
NW		.6	.6									1.3	7.5
NNW	.6	1.9	1.9									4.5	6.4
VARBL													
CALM												2.6	
	9.0	21.3	46.5	16.1	2.6							100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 14855 GLENVIEW, ILLINOIS STATION NAME 73-77 YEARS JUL MONTH

ALL WEATHER CLASS 15 HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3										1.3	4.5
NNE		.6	3.9	3.9	.6							9.0	10.7
NE	.6	.6	1.3	1.3	.6							4.5	9.9
ENE		5.8	4.5	.6								11.0	6.8
E	.6	5.8	6.5	.6								13.5	7.0
ESE	2.6	1.3	3.2									7.1	5.6
SE			.6									.6	7.0
SSE			.6									.6	8.0
S		1.9	2.6									4.5	6.7
SSW		1.9	3.2	2.6								7.7	9.4
SW		.6	2.6	1.9	1.3							6.5	10.6
WSW	.6	1.9	3.9	1.3	.6							8.4	8.5
W	.6	4.5	4.5	2.6	2.6							14.8	9.6
WNW		.6	2.6	.6								3.9	9.7
NW	.6	1.3	.6									2.6	4.5
NNW	.6	1.3	1.3									3.2	5.2
VARBL													
CALM												.6	
	6.5	29.7	41.9	15.5	5.8							100.0	8.2

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

JUL
MONTH

ALL WEATHER
CLASS

18
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6	2.6	1.9	.6			.6				6.5	11.5
NNE	1.3	2.6	3.9		.6							8.4	7.0
NE	.6	.6	1.9	1.3								4.5	7.6
ENE	1.9	4.5	3.2	.6								10.3	6.0
E	2.6	8.4	1.9									12.9	4.9
ESE	.6	3.2										3.9	5.3
SE		3.9	2.6									6.5	6.0
SSE													
S	1.3	.6	1.9									3.9	5.2
SSW			2.6									2.6	9.0
SW		3.9	3.9	1.3								9.0	7.9
WSW	.6	2.6	3.9	1.9								9.0	7.9
W	2.6	2.6	3.2	1.3								9.7	6.7
WNW	.6	3.2	1.3	.6								5.8	6.2
NW	.6	1.9	.6	.6			.6					3.9	6.5
NNW			.6									1.3	20.0
VARBL													
CALM												1.9	
	13.5	38.7	34.2	9.7	.6		.6	.6				100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

155

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS

STATION NAME

73-77

YEARS

JUL

MONTH

21

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	1.3										3.9	3.5
NNE	1.9	1.3		1.3								4.5	5.7
NE	.6	1.3	.6	.6								3.2	7.0
ENE	.6	.6	.6									1.9	6.3
E	2.6	.6	1.3									4.5	4.3
ESE	1.9	.6										2.6	3.0
SE		1.3	.6									1.9	5.3
SSE	.6	.6										1.3	3.0
S	3.2	3.2	1.3									7.7	4.8
SSW	1.9	3.9	3.9									9.7	6.1
SW	2.6	1.9	2.6									7.1	5.3
WSW	3.2	1.9	.6									5.3	3.9
W		1.9		1.3								3.2	7.8
WNW	1.9	1.3	.6									3.9	4.3
NW		.6										.6	5.0
NNW			.6	.6								1.3	13.0
VARBL													
CALM												36.8	
	23.9	22.6	12.9	3.9								100.0	3.3

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

JUL
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	.9	1.1	.5				.1				4.0	6.7
NNE	.6	1.5	1.8	.8	.2							4.8	7.6
NE	1.0	1.1	1.4	1.1	.2							4.8	7.8
ENE	.7	2.3	2.1	.6								5.7	6.7
E	1.0	2.6	2.2	.2								5.9	5.9
ESE	1.0	1.0	.8									2.8	5.2
SE	.2	1.0	.6	.1								1.9	5.9
SSE	.3	.2	.4	.1								1.0	5.5
S	1.5	2.3	1.7	.4								5.9	5.9
SSW	.4	2.3	3.0	.7								6.9	7.1
SW	1.0	2.3	3.1	1.0	.2							7.7	7.4
WSW	1.9	2.6	3.4	.8	.2							8.8	6.8
W	2.0	4.4	3.1	1.9	.4							11.8	7.2
WNW	.6	1.5	1.2	.4								3.7	6.4
NW	.8	1.2	.6	.1								2.7	5.1
NNW	.8	.9	.6	.1			.1					2.4	6.2
VARB													
CALM												19.2	
	15.7	28.1	27.1	8.6	1.1		.1	.1				100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

AUG
MONTH

ALL WEATHER
CLASS

00
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.3	1.3									4.5	4.3
NNE		.6	.6									1.3	6.5
NE		1.3	.6									1.9	7.0
ENE		2.6	.6									3.2	6.0
E	1.3	1.3	.6									3.2	4.6
ESE	.6	.6										1.3	4.5
SE													
SSE	.6		.6									1.3	6.0
S	2.6	2.6	1.3									6.5	4.8
SSW	.6	5.8	3.2	3.2								12.9	7.2
SW	1.3	2.6	.6	.6								5.2	5.3
WSW	1.9	2.6	.6	.6								5.8	5.0
W	1.3	1.3	.6									3.2	4.8
WNW	.6	.6	.6									1.9	5.3
NW	.6	1.3										1.9	3.7
NNW		3.2										3.2	4.8
VARBL													
CALM												42.6	
	13.5	27.7	11.6	4.5								100.0	3.2

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

AUG
MONTH

ALL WEATHER
CLASS

03
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	3.2	.6									5.2	5.4
NNE													
NE		.6	.6									1.3	7.5
ENE	.6	.6										1.3	4.0
E	.6		.6									1.3	5.5
ESE	1.3	1.3										2.6	3.8
SE	.6											.6	2.0
SSE													
S	4.5	2.6										7.1	3.2
SSW	2.6	3.9	3.2	1.9								11.6	7.0
SW	1.3	4.5	1.3									7.1	5.0
WSW	2.6	.6	1.3	.6								5.2	5.6
W	1.9	1.3	.6									3.9	4.5
WNW	3.2	1.3										4.5	3.1
NW	.6	.6		.6								1.9	7.3
NNW	3.2	1.3	.6									5.2	3.5
VARBL													
CALM												41.3	
	24.5	21.9	9.0	3.2								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

AUG
MONTH

ALL WEATHER
CLASS

06
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.3	.6									2.6	5.0
NNE	.6	.6	.6									1.9	5.0
NE	1.9	1.3	.6	.6								4.5	5.6
ENE		.6	.6									1.3	6.5
E													
ESE	1.9		1.3									3.2	5.0
SE	.6											.6	2.0
SSE	1.3		.6									1.9	4.3
S	3.2	1.9	1.9									7.1	4.7
SSW	.6	4.5	4.5	.6								10.3	6.6
SW	1.9	1.9	2.6	.6								7.1	6.4
WSW	1.9	1.9	.6									4.5	4.4
W	2.0	3.9	.6									7.1	4.2
WNW	1.3	1.9										3.2	3.4
NW	1.9	1.3	.6									3.9	3.8
NNW	1.9	3.9	.6									6.5	4.3
VARBL													
CALM												24.2	
	22.6	25.2	16.1	1.9								100.0	3.3

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

AUG
MONTH

ALL WEATHER
CLASS

09
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		3.2	3.2									6.5	6.2
NNE		1.3	2.6	1.3								5.2	9.1
NE		.6	2.6	.6								3.9	8.7
ENE		.6	1.9									2.6	8.3
E	1.3	3.2	1.3	1.3								7.1	7.2
ESE	.6	.6	.6									1.9	6.0
SE	.6	.6										1.3	4.0
SSE			.6									.6	10.0
S	2.6	4.5	2.6	.6								10.3	5.6
SSW		2.6	3.9	3.9								10.3	8.9
SW	.6	4.5	5.2	1.3								11.6	7.2
WSW	1.9	1.9	5.2	.6								9.7	7.1
W	.6	2.6	2.6	1.9								7.7	7.8
WNW	.6	3.2	.6									4.5	5.1
NW	1.3	1.9										3.2	4.4
NNW	.6	1.3	.6									2.6	6.0
VARBL													
CALM												11.0	
	11.0	32.9	33.5	11.6								100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

FD-2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

AUG
MONTH

12
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6	1.3									1.9	7.3
NNE	1.3	1.3	3.2	1.3								7.1	7.5
NE		2.6	3.9	2.6	.6							9.7	9.6
ENE		3.9	4.5	.6								9.0	7.4
E		3.2	2.6	1.3								7.1	7.6
ESE	.6		2.6									3.2	7.6
SE	.6		1.3									1.9	6.7
SSE	1.3			.6								1.9	5.0
S	1.3	2.6	3.9	1.3								9.0	7.4
SSW	.6		3.2	3.9								7.7	10.3
SW	.6	2.6	3.2	1.9								8.4	8.4
WSW	.6	3.2	1.9	3.2								9.0	8.5
W	.6	3.9	6.5	3.2								14.2	8.3
WNW		.6	.6	1.3								2.6	8.5
NW	.6	2.6	1.3									4.5	5.3
NNW		.6	.6									1.3	6.0
VARBL													
CALM												1.3	
	8.4	27.7	40.6	21.3	.6							100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

AUG
MONTH

ALL WEATHER
CLASS

15
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.9	1.3	1.3								4.5	9.0
NNE		.6	3.2									3.9	7.7
NE			5.2	1.3								6.5	9.9
ENE		3.2	4.5	1.9								9.7	7.9
E	.6	5.8	7.1	1.3								14.8	8.0
ESE		.6	3.9									4.5	7.9
SE		1.3	1.9									3.2	7.6
SSE		.6	.6									1.3	6.5
S		.6	2.6	1.9								5.2	9.9
SSW		2.6	3.9	3.2								9.7	9.1
SW		1.3	7.7	1.3								10.3	8.9
WSW		1.9	3.9	3.2								9.0	9.7
W	1.3	3.2	3.9	1.3								9.7	7.7
WNW	.6	1.3	.6	.6								3.2	7.2
NW		1.3	.6	.6								2.6	8.0
NNW													
VARBL													
CALM												1.9	
	2.6	26.5	51.0	18.1								100.0	8.3

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

AUG
MONTH

ALL WEATHER
CLASS

18
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6	1.9	1.3								4.5	7.7
NNE	.6	3.2	3.9									7.7	6.5
NE		3.2	.6	1.3								5.2	7.1
ENE		5.8	2.6	1.3								9.7	6.8
E	2.6	4.5	1.9									9.0	4.9
ESE		2.6	1.3									3.9	5.7
SE		1.9	1.3									3.2	6.0
SSE		.6	.6									1.3	8.0
S	.6	2.6	5.2	.6								9.0	7.4
SSW	.6	3.2	4.5	2.6								11.0	7.8
SW		3.2	3.9	2.6								9.7	8.5
WSW	1.9	1.9	4.5	.6								9.0	6.8
W	2.6	3.2	.6									6.5	4.7
WNW		1.3										1.3	4.5
NW	.6		1.3	.6								1.9	6.0
NNW			.6									1.3	11.5
VARBL													
CALM												5.8	
	10.3	36.1	34.8	11.0								100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

AUG
MONTH

ALL WEATHER
CLASS

21
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.9	1.3									5.8	4.6
NNE	.6	1.9										2.6	3.5
NE		1.9	2.6									4.5	6.6
ENE	.6	.6	1.9									3.2	6.6
E	1.3		.6									1.9	4.7
ESE	1.3	1.3	.6									3.2	4.4
SE	.6											.6	2.0
SSE	.6	1.3	.6									2.6	5.0
S	5.8	3.2	1.3									10.3	3.8
SSW	2.6	5.8	1.9	1.3								11.6	5.8
SW	1.9	1.9	3.9	.6								8.4	6.4
WSW	1.9	.6	1.9									4.5	5.4
W	1.3	.6	.6									2.6	5.3
WNW													
NW		1.3										1.3	5.5
NNW			.6	.6								1.3	11.5
VARBL													
CALM												35.5	
	21.3	22.6	18.1	2.6								100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

0000

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

AUG
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

0000

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.8	1.5	.3								4.4	6.1
NNE	.4	1.2	1.8	.3								3.7	7.0
NE	.2	1.5	2.1	.8	.1							4.7	8.2
ENE	.2	2.3	2.1	.5								5.0	7.1
E	1.0	2.3	1.9	.5								5.6	6.7
ESE	.8	.9	1.3									3.0	5.8
SE	.4	.5	.6									1.5	5.7
SSE	.5	.3	.5	.1								1.4	5.8
S	2.6	2.6	2.3	.6								8.1	5.7
SSW	1.0	3.5	3.5	2.6								10.6	7.7
SW	1.0	2.8	3.5	1.1								8.5	7.2
WSW	1.6	1.9	2.5	1.1								7.1	7.0
W	1.5	2.5	2.0	.8								6.9	6.6
WNW	.8	1.3	.3	.2								2.7	5.2
NW	.7	1.3	.5	.2								2.7	5.3
NNW	.7	1.3	.5	.2								2.7	5.4
VARBL													
CALM												21.7	
	14.3	27.8	26.9	9.3	.1							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

1240

0000

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

SEP
MONTH

ALL WEATHER
CLASS

00
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.0	1.3									4.0	5.2
NNE		.7										.7	4.0
NE		2.7	.7	.7								4.0	7.0
ENE	.7		2.0	.7								3.3	8.0
E	2.7	.7	.7									4.0	3.5
ESE		.7										.7	6.0
SE	.7	1.3										2.0	3.7
SSE													
S	6.0	4.0	2.0	1.3								13.3	5.0
SSW	.7	2.0	5.3									8.0	7.3
SW		3.3										3.3	4.8
WSW	2.7	1.3	1.3	.7								6.0	5.1
W	5.3	4.7	2.0									12.0	4.5
WNW	1.3		1.3									2.7	5.5
NW	3.3	2.0	.7									6.0	4.0
NNW		2.7	.7									3.3	5.2
VARBL													
CALM												26.7	
	24.0	28.0	16.0	3.3								100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

SEP
MONTH

ALL WEATHER
CLASS

03
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.0										3.3	3.8
NNE	1.3	.7	1.3									3.3	4.6
NE		1.3	.7	.7								2.7	7.8
ENE		1.3										1.3	5.0
E	.7	1.3	1.3									3.3	5.6
ESE		.7										.7	5.0
SE			.7									.7	10.0
SSE	.7	.7	.7									2.0	4.7
S	3.3	4.0	2.7									10.0	5.0
SSW	1.3	3.3	2.0	.7								7.3	5.9
SW	1.3	1.3	2.0									4.7	5.6
WSW	1.3	2.0	2.0									5.3	6.0
W	5.3	2.0	1.3									8.7	3.7
WNW	2.0	3.3	1.3									6.7	4.8
NW	.7	2.0	1.3	.7								4.7	6.1
NNW	.7	.7	.7									2.0	5.0
VARBL													
CALM												33.3	
	20.0	26.7	18.0	2.0								100.0	3.5

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
14955

GLENVIEW, ILLINOIS

73-77

YEARS

SEP

MONTH

06

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.3	2.0									4.0	6.5
NNE		.7	.7									1.3	7.0
NE			1.3	1.3								2.7	10.8
ENE		1.3	.7									2.0	6.3
E			.7									.7	7.0
ESE	.7		.7									1.3	5.0
SE			1.3									1.3	9.0
SSE	.7	2.7										3.3	4.4
S	1.3	5.3	2.0									8.7	5.2
SSW	1.3	.7	2.7	.7								5.3	7.4
SW	2.0	1.3	1.3	.7								5.3	6.3
WSW	1.3	.7	2.7									4.7	6.7
W	2.0	3.3	2.0									7.3	5.5
WNW	4.0	3.3	.7									3.0	4.1
NW	3.3	.7		.7								4.7	4.3
NNW	2.7	2.0	.7									5.3	4.5
VARBL													
CALM												34.0	
	20.0	23.3	19.3	3.3								100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

SEP
MONTH

ALL WEATHER
CLASS

09
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.0	2.7	2.0								7.3	8.1
NNE	.7	2.0	.7	2.0								5.3	8.6
NE	.7		2.0	1.3	.7							4.7	10.3
ENE		2.0	.7	.7								3.3	6.8
E	1.3	1.3	2.0	1.3								6.0	7.0
ESE		.7	1.3									2.0	7.7
SE			2.7									2.7	7.3
SSE		1.3										1.3	4.5
S	1.3	2.7	1.3	1.3								6.7	7.0
SSW	.7	6.7	4.7									12.0	6.5
SW		2.0	4.7	1.3								8.0	8.3
WSW	.7	2.0	3.3	1.3								7.3	7.8
W	2.0	3.3	1.3	.7								7.3	6.1
WNW	2.7	2.7	3.3	1.3								10.0	6.5
NW	.7	3.3	1.3	.7								6.0	6.2
NNW	.7	3.3	1.3									5.3	6.0
VARBL													
CALM												4.7	
	12.0	35.3	33.3	14.0	.7							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
14855

STATION NAME
GLENVIEW, ILLINOIS

YEARS
73-77

MONTH
SEP

CLASS
ALL WEATHER

MOORE (L.S.T.)
12

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	1.3	2.0								4.7	9.1
NNE		1.3	2.7	2.7	1.3							8.0	11.2
NE	1.3	1.3	2.7	.7	.7							6.7	8.2
ENE	.7	.7	2.7	1.3								5.3	7.6
E	.7	1.3	2.0	.7								4.7	7.3
ESE	1.3		2.7	.7								4.7	7.1
SE		1.3	1.3									2.7	6.5
SSE		.7	1.3									2.0	7.7
S	.7	5.3	2.0	.7								8.7	7.1
SSW		3.3	4.7	1.3								9.3	8.2
SW		1.3	2.0	2.7								6.0	9.4
WSW		1.3	4.0	2.0								7.3	9.4
W	.7	3.3	4.0	1.3								9.3	7.4
WNW	1.3	1.3	4.7									7.3	7.2
NW		2.0	.7									2.7	6.5
NNW		1.3	3.3									4.7	7.7
VARBL													
CALM												6.0	
	7.3	26.7	42.0	16.0	2.0							100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

150

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS

STATION NAME

73-77

YEARS

SEP

MONTH

ALL WEATHER

CLASS

15

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7	1.3	1.3	.7							4.0	11.5
NNE		1.3	2.7	.7	.7							5.3	9.4
NE		5.3	2.0	2.7								10.0	7.9
ENE	1.3	3.3	5.3	.7								10.7	6.8
E		5.3	5.3	.7	.7							12.0	8.1
ESE			2.7									2.7	8.3
SE													
SSE		.7	.7									1.3	6.5
S		1.3	4.7	1.3								7.3	8.5
SSW		2.7	2.0	4.0								8.7	9.5
SW		.7	4.7	1.3								6.7	8.9
WSW	.7	1.3	3.3	1.3								6.7	8.1
W	.7	2.7	4.0	2.7								10.0	8.3
WNW		2.7	3.3	2.0								8.0	8.2
NW		.7		1.3								2.0	10.0
NNW		.7		.7								1.3	9.5
VARBL													
CALM												3.3	
	2.7	29.3	42.0	20.7	2.0							100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855

GLENVIEW, ILLINOIS

73-77

SEP

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

18

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.0	2.7	1.3								6.7	8.3
NNE	2.0	.7	4.0									6.7	6.5
NE	.7	2.7		1.3								4.7	6.7
ENE	2.0	5.3	.7	.7								8.7	5.2
E	4.0	1.3	1.3									6.7	4.0
ESE	2.7	2.7	.7									6.0	4.1
SE	1.3	.7										2.0	5.3
SSE	1.3	2.0	1.3									4.7	5.0
S	2.7	1.3	5.3	.7								10.0	6.7
SSW	.7	2.7	1.3									4.7	5.3
SW	1.3	1.3	.7	.7								4.0	6.2
WSW	1.3	2.0	1.3									4.7	5.0
W	2.7	2.7	.7	1.3								7.3	5.3
WNW	1.3	2.7	1.3									5.3	5.3
NW	.7	.7										1.3	3.5
NNW		4.0	1.3									5.3	6.4
VARBL													
CALM												11.3	
	25.3	34.0	23.3	6.0								100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

0000

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

SEP
MONTH

ALL WEATHER
CLASS

21
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

0000

TOTAL NUMBER OF OBSERVATIONS

150

0000

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.0	2.0	1.3									5.3	4.9
NNE	.7	1.3	2.0	.7								4.7	7.6
NE		.7	2.7	.7								4.0	9.3
ENE	1.3	1.3	.7									3.3	4.2
E		.7										.7	6.0
ESE	.7	2.0	.7									3.3	5.6
SE		.7										.7	4.0
SSE													
S	2.7	6.0	3.3		.7							12.7	5.7
SSW	2.7	2.0	2.7	.7								8.0	5.8
SW	1.3	1.3	.7									3.3	4.8
WSW	.7	2.0	.7	.7								4.0	6.3
W	.7	4.0	2.0									6.7	5.3
WNW	2.7	.7										3.3	2.8
NW	.7	.7	.7									2.0	5.3
NNW		.7	.7									1.3	6.5
VARB													
CALM												36.7	
	16.0	26.0	18.0	2.7	.7							100.0	3.6

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

SEP
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.6	1.6	.8	.1							4.9	7.3
NNE	.6	1.1	1.7	.7	.2							4.4	8.2
NE	.3	1.7	1.3	1.2	.2							4.9	8.3
ENE	.7	1.9	1.6	.5								4.7	6.3
E	1.2	1.3	1.7	.3	.1							4.7	6.4
ESE	.7	.8	1.1	.1								2.7	6.0
SE	.2	.4	.8									1.5	6.3
SSE	.3	1.0	.5									1.8	5.3
S	2.2	3.7	2.9	.7	.1							9.7	6.1
SSW	.9	2.9	3.2	.9								7.9	7.1
SW	.7	1.8	2.0	.8								5.2	7.2
WSW	1.1	1.6	2.3	.7								5.7	7.0
W	2.4	3.2	2.2	.7								8.6	5.8
WNW	1.9	2.1	2.0	.4								6.4	5.8
NW	1.2	1.5	.8	.4								3.7	5.5
NNW	.5	1.9	1.1	.1								3.6	6.1
VARBL													
CALM												19.5	
	15.9	28.7	26.7	8.5	.7							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

1200

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

72-77
YEARS

OCT
MONTH

ALL WEATHER
CLASS

00
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			2.6									2.6	8.3
NNE	.6	1.3	1.3	.6								3.9	7.7
NE		.6	.6	.6								1.9	8.7
ENE	.6			.6								1.3	8.5
E	.6	.6	.6	.6								2.6	6.3
ESE			.6									.6	7.0
SE		.6	.6									1.3	6.5
SSE				.6								.6	16.0
S	1.9	3.9	2.6	3.2								11.6	7.6
SSW	1.3	3.9	1.3	1.9	1.3							9.7	8.6
SW	1.3	1.3	.6									3.2	4.0
WSW	1.3	1.9	3.2									6.5	6.5
W	2.6	1.9	3.2	1.3								9.0	6.3
WNW	2.6	2.6	.6									5.8	4.0
NW	2.6	2.6	.6									5.8	4.1
NNW	.6	.6	1.9									3.2	6.4
VARBL												30.3	
CALM												100.0	4.7
	16.1	21.9	20.6	9.7	1.3								

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

OCT
MONTH

ALL WEATHER
CLASS

03
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	1.9	.6								3.9	8.2
NNE		.6	.6	.6								1.9	9.0
NE		.6	.6	1.3								2.6	9.8
ENE	.6	.6										1.3	3.0
E		1.9	.6									2.6	5.3
ESE	.6											.6	2.0
SE		.6										.6	5.0
SSE	.6											.6	3.0
S	1.3	3.9	5.2	1.3								11.6	7.3
SSW	3.2	4.5	4.5	1.3								13.5	6.8
SW	1.3	.6	1.3	.6								3.9	6.7
WSW	.6	1.3	.6									2.6	5.0
W	3.2	2.6	3.9	.6								10.3	5.6
WNW	2.6	1.3	.6									4.5	4.0
NW	3.2	2.6	1.3									7.1	4.4
NNW	.6	3.2		.6								4.5	5.9
VARBL													
CALM												27.7	
	18.1	25.8	21.3	7.1								100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

0000

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

UCT
MONTH

ALL WEATHER
CLASS

06
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

0000

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	2.6	.6								4.5	9.1
NNE			1.3									1.3	8.5
NE	.6		.6	1.3								2.6	8.8
ENE			1.3									1.3	9.5
E	.6		1.3									1.9	6.3
ESE			.6									.6	8.0
SE	.6											.6	2.0
SSE			1.3									1.3	9.0
S	3.2	3.9	3.2	1.9								12.3	6.7
SSW	1.3	2.6	4.5	2.6								11.0	7.8
SW	1.9	1.3	1.9	.6								5.3	6.2
WSW		3.2	1.3									4.5	6.1
W	1.9	3.2	2.6	.6								8.4	5.8
WNW	.6	2.6	.6									3.9	4.3
NW	1.9	2.6	1.3									5.8	4.8
NNW	1.3	1.9	3.2									6.3	6.1
VARBL													
CALM												27.7	
	14.2	22.6	27.7	7.7								100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

155

0000

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

OCT
MONTH

ALL WEATHER
CLASS

09
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.9	4.5	1.9								8.4	6.6
NNE		1.9										1.9	5.3
NE	.6		.6		.6							1.9	9.7
ENE			1.3	.6								1.9	10.3
E	1.3	.6		.6								2.6	5.5
ESE		1.3	.6	.6								2.6	8.0
SE													
SSE		1.3	.6									1.9	6.3
S	.6	3.9	9.0	1.3	.6							15.5	7.8
SSW	.6	3.9	4.5	3.9								12.9	8.4
SW	1.3	1.3	5.8	2.6								11.0	8.5
WSW		3.2	.6	1.9	.6							6.5	9.1
W	1.9	1.3	3.2		.6							7.7	6.9
WNW	1.3	1.3	2.6	.6								5.8	6.9
NW	.6	4.5	1.9									7.1	5.4
NNW	1.3	.6	5.2	.6								7.7	7.5
VARBL													
CALM												4.5	
	9.7	27.7	40.6	14.8	2.6							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET S105

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

0015

14855
STATION

GLENVIEW, ILLINOIS

STATION NAME

73-77

YEARS

OCT

MONTH

12

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

0000

TOTAL NUMBER OF OBSERVATIONS

155

0000

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	.6	1.9	.6								3.9	7.3
NNE		1.9	2.6	2.6								7.1	8.8
NE		2.6	3.2		.6							6.5	8.2
ENE	.6			.6								1.3	7.5
E		1.9	.6									2.6	5.0
ESE	.6	1.3	1.3	.6								3.9	7.2
SE		.6										.6	6.0
SSE		.6	1.9									2.6	8.3
S	1.9	1.9	5.2	3.2								12.3	8.4
SSW	1.3	1.9	5.8	4.5	.6							14.2	9.7
SW		2.6	5.2	4.5								12.3	9.9
WSW	1.3		5.2	1.9								8.4	9.3
W	.6	1.3	3.9	2.6								6.4	9.2
WNW	.6	1.3	1.3									3.2	5.4
NW		1.3	1.9	.6								3.9	8.5
NNW		2.6	2.6	.6								5.8	7.2
VARBL													
CALM												3.2	
	7.7	22.6	42.6	22.6	1.3							100.0	8.3

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

OCT
MONTH

ALL WEATHER
CLASS

15
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6	2.0	.6								3.9	9.2
NNE	1.9	1.3	2.0	1.9								7.7	7.4
NE	1.3	3.2	2.6	2.6								9.7	7.8
ENE		2.6	.6	.6								3.9	7.0
E		3.2	1.3									4.5	6.4
ESE	.6	1.9	1.3	1.3								5.2	7.6
SE	.6		.6									1.3	5.0
SSE	.6	.6	.6									1.9	6.3
S	.6	.6	4.5	5.2								11.0	10.5
SSW		.6	2.6	2.6	1.3							7.1	11.5
SW		.6	3.2	3.2	1.9							9.0	11.9
WSW	.6	1.3	3.9	1.3								7.1	8.5
W	1.9	.6	7.1	3.9								13.5	9.0
WNW	.6	.6	.6	.6								1.9	7.0
NW		.6	3.2		.6							4.5	9.6
NNW	.6	1.3	1.3									3.2	6.6
VARBL													
CALM												4.5	
	9.7	20.0	38.1	23.9	3.9							100.0	8.5

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

OCT
MONTH

ALL WEATHER
CLASS

18
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3	4.5	1.3								7.7	8.3
NNE	1.9	1.9	3.2									7.1	5.6
NE	1.3	.6	1.3	.6								4.5	7.9
ENE	1.9											1.9	2.7
E	.6	1.9	.6									3.2	5.6
ESE	1.9	1.9	.6	.6								5.2	5.1
SE	.6	1.9	.6									3.2	4.2
SSE	1.3	1.9										3.2	3.6
S	1.9	4.5	4.5	3.2								14.2	7.8
SSW	.6	3.2	1.9	.6	.6							7.1	7.4
SW	1.9	3.2	3.2	1.3								9.7	6.1
WSW	1.3	1.3		.6								3.2	5.4
W	.6	2.6	1.3	.6								5.2	6.4
WNW		2.6	1.3									3.9	6.7
NW	.6	2.6	.6									3.9	4.8
NNW		.6										.6	6.0
VARBL													
CALM												16.1	
	17.4	32.3	23.9	9.0	1.3							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14955
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

OCT
MONTH

ALL WEATHER
CLASS

21
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6	1.9									3.2	6.6
NNE	.6	1.3	.6	1.9								4.5	8.9
NE		1.3										1.3	5.5
ENE		.6	.6									1.3	6.0
E	.6	1.9										2.6	4.3
ESE													
SE	.6		.6									1.3	5.5
SSE	.6		1.3	1.3								3.2	9.6
S	1.9	2.6	3.2	3.9	1.3							12.9	9.1
SSW	.6	2.6	1.3	.6								5.2	7.6
SW	1.3	1.3	3.9	1.9								8.4	7.8
WSW	1.9	.6	1.3									3.9	4.5
W	1.9	1.3	1.9	1.3								6.5	6.5
WNW	1.9	3.2	.6									5.8	4.4
NW	1.3	3.2										4.5	4.0
NNW		3.2	1.9									5.2	6.6
VARBL													
CALM												30.3	
	14.2	23.9	19.4	10.3	1.9							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855

GLENVIEW, ILLINOIS

73-77

OCT

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

ALL

HOURE (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.0	2.8	.7								4.8	8.3
NNE	.5	1.3	1.5	1.0								4.4	7.6
NE	.5	1.1	1.2	.8	.2							3.9	8.2
ENE	.5	.5	.5	.3								1.8	6.8
E	.5	1.5	.6	.2								2.8	5.6
ESE	.5	.8	.6	.4								2.3	6.7
SE	.3	.5	.3									1.1	4.9
SSE	.4	.6	.7	.2								1.9	7.3
S	1.7	3.1	4.7	2.9	.2							12.7	8.1
SSW	1.1	2.9	3.3	2.2	.6							10.1	8.4
SW	1.1	1.5	3.1	1.9	.2							7.9	8.2
WSW	.9	1.6	2.0	.7	.1							5.3	7.4
W	1.9	1.9	3.4	1.4	.1							8.6	7.1
WNW	1.3	1.9	1.0	.2								4.4	5.2
NW	1.3	2.5	1.4	.1	.1							5.3	5.5
NNW	.6	1.8	2.0	.2								4.6	6.7
VARBL													
CALM												18.1	
	13.4	24.6	29.3	13.1	1.5							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
14855

STATION NAME
GLENVIEW, ILLINOIS

YEARS
73-77

MONTH
NOV

CLASS
ALL WEATHER

HOURS (L.S.T.)
00

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	3.3	.7	.7								6.0	5.7
NNE				.7								.7	11.0
NE													
ENE	.7	.7		.7									
E		.7	1.3									2.0	6.3
ESE	.7		.7									2.0	8.3
SE			1.3									1.3	5.0
SSE		.7			.7							1.3	10.0
S	.7	1.3	1.3	2.7	1.3							7.3	11.0
SSW		2.7	3.3	.7	2.0							8.7	10.5
SW	1.3	4.0	2.7	1.3								9.3	7.1
WSW	.7	3.3	1.3	2.7								8.0	8.8
W	2.7	6.7	2.0	1.3								12.7	6.2
WNW	1.3	2.0	1.3	.7								5.3	6.3
NW		2.7	4.7	2.0								9.3	8.7
NNW	1.3	2.7	2.7	.7								7.3	6.3
VARBL													
CALM												17.3	
	10.7	30.7	23.3	14.0	4.0							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

150

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855

GLENVIEW, ILLINOIS

73-77

NOV

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

03

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		4.0	.7									4.7	5.0
NNE			1.3	1.3								2.7	9.8
NE		1.3										1.3	5.0
ENE		1.3										1.3	5.5
E		.7	.7									1.3	6.5
ESE			1.3									1.3	8.5
SE					.7							.7	17.0
SSE			.7									.7	10.0
S	2.0	1.3	6.7	.7								10.7	6.9
SSW		2.0	3.3	1.3								6.7	8.8
SW	2.7	1.3	4.0	1.3								9.3	6.6
WSW	1.3	2.7	2.0	.7		.7						7.3	8.3
W		5.3	4.0	1.3								10.7	7.5
WNW	3.3	4.0	1.3	.7								9.3	5.1
NW	1.3	2.7	.7	2.7								7.3	7.3
NNW	1.3	1.3	2.7	.7								6.0	7.2
VARBL													
CALM												18.7	
	12.0	28.0	29.3	10.7	.7	.7						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

NOV
MONTH

ALL WEATHER
CLASS

06
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.0	1.3	.7								4.0	7.5
NNE		.7	.7									1.3	7.0
NE			1.3									1.3	7.0
ENE		.7	1.3	.7								2.7	9.0
E		.7	.7									1.3	8.0
ESE													
SE		1.3										1.3	5.0
SSE		.7										.7	4.0
S	.7	2.7	3.3	2.0								8.7	8.2
SSW	1.3	2.7	2.0	2.0								8.0	7.4
SW	1.3	2.0	3.3	2.0	.7	.7						10.0	9.3
WSW	2.7	3.3	2.7	.7								9.3	6.1
W	.7	6.0	3.3	1.3								11.3	6.9
WNW	2.0	2.7	2.7									7.3	5.5
NW	.7	2.0	2.0	1.3								6.0	7.9
NNW	.7	2.0	1.3	1.3								5.3	7.4
VARBL													
CALM												21.3	
	10.0	29.3	26.0	12.0	.7	.7						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

190

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

NOV
MONTH

ALL WEATHER
CLASS

09
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	.7	.7	.7							1.3	7.0
NNE		2.7		.7								3.3	7.0
NE			.7									.7	8.0
ENE			.7									.7	10.0
E		1.3		.7								2.0	7.0
ESE		1.3										1.3	5.0
SE				.7								.7	14.0
SSE	.7		2.0									2.7	7.0
S		3.3	3.3	2.0								8.7	8.0
SSW	.7	4.0	4.0	1.3	.7							10.7	8.4
SW		2.0	4.7									6.7	7.6
WSW	.7	2.7	4.0	1.3								8.7	7.8
W	2.0	4.0	4.7	5.3	.7							16.7	8.5
WNW		1.3	2.7	2.0								6.0	9.1
NW	.7	2.0		4.0	.7							7.3	10.2
NNW	2.0	4.0	2.0	2.0								10.0	6.8
VARBL													
CALM												12.7	
	6.7	29.3	29.3	20.0	2.0							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS

STATION NAME

73-77

YEARS

NOV

MONTH

12

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	2.7	.7								4.7	8.4
NNE			.7	1.3								2.0	11.7
NE		1.3	.7									2.0	6.7
ENE		.7	.7		.7							2.0	9.7
E	.7	.7					.7					2.0	12.3
ESE		.7										.7	6.0
SE		.7										.7	4.0
SSE			.7									2.7	11.3
S	.7	2.0	4.7	2.7								10.0	8.3
SSW		2.7	5.3	4.7								12.7	9.9
SW	.7	.7	3.3	2.0								6.7	9.4
WSW	.7	2.0	5.3	2.7								10.7	9.2
W	.7	6.7	5.3	8.0								20.7	9.2
WNW		1.3	1.3	2.0								4.7	9.1
NW	.7	2.0	2.7	2.7								8.0	9.2
NNW	.7		4.0	1.3								6.0	9.1
VARBL													
CALM												4.0	
	4.7	22.7	37.3	30.0	.7		.7					100.0	8.9

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

NOV
MONTH

ALL WEATHER
CLASS

15
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			2.7									2.7	9.0
NNE		3.3	.7	1.3								5.3	8.0
NE		.7										.7	5.0
ENE		2.0	.7		.7							3.3	8.0
E		1.3	.7									2.0	5.7
ESE		.7	.7									1.3	5.5
SE			.7	.7								1.3	9.5
SSE				.7								.7	12.0
S	.7	2.7	1.3	3.3								6.0	8.7
SSW	.7	3.3	6.0	5.3								17.3	9.1
SW	.7	2.0	1.3	1.3								5.3	7.8
WSW	.7	2.0	4.7	1.3	.7							9.3	8.9
W	.7	2.0	12.0	6.0	.7							21.3	9.8
WNW	.7	.7	3.3	3.3								8.0	9.3
NW	.7	2.0	3.3	.7								6.7	6.4
NNW		2.0	.7	2.0								4.7	9.0
VARBL													
CALM												2.0	
	4.7	24.7	40.7	26.0	2.0							100.0	8.7

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

NOV
MONTH

ALL WEATHER
CLASS

18
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	1.3	.7								3.3	7.4
NNE		.7	.7	.7								2.0	9.7
NE	.7	.7	1.3		.7							3.3	7.8
ENE	.7											.7	2.0
E	.7	.7	.7	.7								2.7	7.3
ESE		.7	.7									1.3	8.0
SE		.7		1.3								2.0	11.7
SSE				2.0								2.0	12.7
S	1.3	2.7	5.3	1.3								10.7	7.4
SSW	.7	4.0	2.0	2.0								8.7	7.5
SW	1.3	2.0	2.0	3.3								8.7	8.2
WSW	1.3	4.0	3.3	.7								9.3	6.6
W	2.7	5.3	4.0	4.7								16.7	7.3
WNW	2.0	1.3	2.0	1.3								6.7	7.1
NW	1.3	2.0		.7	.7							4.7	7.0
NNW	.7	2.0	2.7									5.3	7.3
VARBL													
CALM												12.0	
	14.0	27.3	26.0	19.3	1.3							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

14855 STATION
GLENVIEW, ILLINOIS

73-77

STATION NAME

YEARS

NOV
MONTH

ALL WEATHER
CLASS

21
HOURS (L.S.T.)

CONDITION

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATION(S))

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				1.3								1.3	12.0
NNE													
NE		1.3		.7	.7							2.7	10.3
ENE	.7		1.3									2.0	6.7
E		.7	.7	.7								2.0	8.7
ESE		.7										.7	6.0
SE		1.3	.7	.7	.7							3.3	10.6
SSE				.7								.7	14.0
S		2.7	4.0	2.0		.7						9.3	9.1
SSW	2.0	2.0	2.7	1.3	.7							8.7	7.5
SW		3.3	3.3	1.3								8.0	7.8
WSW		3.3	2.0	2.0								7.3	7.8
W	.7	5.3	5.3	1.3								12.7	7.1
WNW	2.0	1.3	2.7	2.7								8.7	8.4
NW	.7	.7	2.0	1.3								4.7	8.9
NNW	.7	4.7	2.7									8.0	6.0
VARBL													
CALM												20.0	
	6.7	27.3	27.3	16.0	2.0	.7						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

NOV
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.5	1.2	.5								3.5	7.2
NNE		.9	.5	.7								2.2	8.7
NE	.1	.7	.5	.1	.2							1.5	7.6
ENE	.2	.7	.8	.2	.2							1.8	7.6
E	.2	.8	.8	.2			.1					1.9	8.0
ESE	.1	.5	.4									1.0	6.3
SE		.5	.3	.4	.2							1.4	10.1
SSE	.1	.2	.4	.7	.1							1.4	10.2
S	.7	2.3	3.7	2.1	.2	.1						9.2	8.3
SSW	.7	2.9	3.8	2.3	.4							10.2	8.7
SW	1.0	2.2	3.1	1.6	.1	.1						8.0	7.9
WSW	1.0	2.9	3.2	1.5	.1	.1						8.7	7.9
W	1.2	5.2	5.1	3.7	.2							15.3	8.1
WNW	1.4	1.8	2.2	1.6								7.0	7.4
NW	.7	2.0	1.9	1.9	.2							6.7	8.5
NNW	.9	2.3	2.3	1.0								6.6	7.3
VARBL												13.5	
CALM												100.0	7.0
	8.7	27.4	29.9	18.5	1.7	.2	.1						

TOTAL NUMBER OF OBSERVATIONS

1200

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

00
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	1.3	1.9								4.5	9.3
NNE		.6		.6								1.3	11.0
NE			.6	2.6	.6							3.9	12.3
ENE			1.3									1.3	8.5
E	.6			1.3								1.9	8.7
ESE	.6		1.9									2.6	8.0
SE		.6	1.9	.6								3.2	9.6
SSE	.6		.6									1.3	5.0
S		3.9	1.3	.6								5.8	6.0
SSW	1.3	1.9	3.9	1.9	.6							9.7	8.9
SW	1.3	3.9	5.2	.6	.6							11.6	7.3
WSW	.6	1.9	2.6	2.6								7.7	8.3
W	.6	2.6	5.8	.6								9.7	7.3
WNW	2.6	1.3	2.6	1.3	1.3							9.0	8.5
NW	.6	.6	1.3	2.6								5.2	9.3
NNW		1.3	1.3	2.6								5.2	9.9
VARBL													
CALM												16.1	
	9.0	20.0	31.6	20.0	3.2							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
14855

STATION NAME
GLENVIEW, ILLINOIS

YEARS
73-77

MONTH
DEC

CLASS
ALL WEATHER

HOURS (L.S.T.)
03

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			1.3	1.3								2.6	11.3
NNE			1.3	1.3								3.2	11.6
NE			.6		.6							1.3	15.0
ENE	1.3			.6								1.9	5.3
E	1.3		.6	1.3								3.2	8.0
ESE		.6		.6								1.3	8.0
SE		.6	.6	.6								1.9	8.3
SSE	.6	1.3	.6									2.6	5.3
S	1.3	2.6	.6									5.2	4.0
SSW	1.3	3.2	3.2	3.9								11.6	8.7
SW	1.3	4.5	1.3	.6								7.7	5.6
WSW	.6	1.3	3.9	1.9								9.7	8.1
W	1.9	1.9	3.9	1.3	.6							9.7	7.7
WNW	.6	2.6	3.9	1.3	.6							9.0	8.6
NW	1.3	3.9	1.9	.6								7.7	6.0
NNW	1.3	1.9	3.2									6.3	6.0
VARBL													
CALM												16.8	
	13.5	24.5	27.7	15.5	1.9							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

06
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6	1.3	.6								3.2	6.6
NNE				1.3		.6						1.9	16.3
NE		.6	.6			.6						1.9	12.3
ENE			2.6	.6								3.2	9.4
E				1.3								1.3	13.0
ESE	1.3		.6									1.9	5.3
SE			.6	1.3								1.9	11.7
SSE	1.3	.6	.6									2.6	4.3
S	1.3	3.2	3.2	1.9								9.7	6.9
SSW	1.3	1.3	1.9	.6		.6						5.8	8.8
SW		1.9	1.9	2.6								6.5	9.4
WSW		3.2	3.2	1.9								8.4	8.0
W	1.9	3.9	1.9	.6	1.3							9.7	7.7
WNW	3.2	.6	3.2	.6	.6							8.4	7.2
NW	.6	3.2	1.9	1.9								9.7	7.1
NNW	1.3	1.3	2.6	1.3								6.5	8.2
VARBL													
CALM												17.4	
	12.9	22.6	26.5	16.8	1.9	1.9						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

DEC
MONTH

09

HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3			1.9	.6							3.9	11.0
NNE	.6	.6		3.2								4.5	10.3
NE					.6							.6	20.0
ENE													
E	.6		2.6	1.9								5.2	9.8
ESE	1.3											1.3	2.5
SE		.6										.6	4.0
SSE	1.9	1.3	1.9	1.3								6.5	7.1
S	.6	.6	3.9	1.9								7.1	8.8
SSW	1.3	3.2	1.3	2.6								8.4	7.5
SW		1.3	3.9	2.6	.6							8.4	10.3
WSW	.6	.6	3.9	1.9								7.1	9.3
W	1.3	3.2	4.5	2.6	.6							12.3	8.4
WNW	1.3	1.3	1.3	2.6		.6						7.1	10.0
NW	.6	.6	3.2	1.9								6.5	7.9
NNW		3.9	5.2									9.0	7.0
VARBL													
CALM												11.6	
	11.6	17.4	31.6	24.5	2.6	.6						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

0000

14855
STATION

GLENVIEW, ILLINOIS

73-77

YEARS

DEC
MONTH

12
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

0000

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3	.6	1.9	1.3							6.5	9.8
NNE			1.3	1.3								2.6	12.0
NE				.6	1.3							1.9	17.3
ENE		1.3		.6								1.9	7.7
E	.6	1.3	1.3	2.6								5.8	8.7
ESE		.6	.6									1.3	7.5
SE			.6									.6	8.0
SSE	1.3	1.9	1.3	1.3								5.8	7.6
S	1.9	.6	3.2	1.3	.6							7.7	8.6
SSW	.6	2.6	3.9	2.6								9.7	8.4
SW	.6	.6	.6	5.2								7.1	11.2
WSW	.6	1.9	2.6	3.2								8.4	8.8
W	2.6	3.9	5.8	5.8								18.1	8.2
WNW	.6	1.9	1.9	3.9								8.4	9.6
NW		1.3	2.6									3.9	8.0
NNW		.6	1.9	.6	.6							3.9	10.7
VARBL													
CALM												6.5	
	10.3	20.0	28.4	31.0	3.9							100.0	8.5

TOTAL NUMBER OF OBSERVATIONS

155

0000

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

15
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6	1.3	1.9								3.9	10.3
NNE	.6	.6	.6	1.3								3.2	9.4
NE	.6	1.3	2.6	.6								5.2	7.6
ENE		1.3										1.3	4.5
E	1.3	1.3	1.3	1.9								5.8	8.2
ESE		1.3	.6									1.9	5.7
SE			1.9									1.9	8.3
SSE			1.3									1.3	9.0
S		3.9	1.9	1.3	.6							7.7	8.6
SSW		3.9	2.6	3.9	.6							11.0	9.2
SW		2.6	1.3	2.6								6.5	8.8
WSW	1.3	3.9	3.9	1.9								11.0	7.9
W	.6	1.3	5.8	6.5	.6							14.8	10.2
WNW	.6	1.9	1.9	3.2								7.7	8.6
NW	.6	.6	3.9	.6								5.8	8.7
NNW		1.3	1.9	.6								3.9	8.2
VARBL													
CALM												7.1	
	5.8	25.8	32.9	26.5	1.9							100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

18
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.9		.6								2.6	6.8
NNE			.6	1.3	.6							2.6	12.8
NE		1.3	1.3									2.6	7.0
ENE		.6		.6								1.3	8.5
E	1.3	.6	1.3	1.3								4.5	7.0
ESE		1.3	1.3	.6								3.2	8.0
SE	.6		.6	.6								1.9	7.3
SSE	1.3	.6	.6									2.6	4.8
S	1.3	1.9	3.2	1.9	.6							9.0	8.1
SSW	.6	1.9	3.9	1.3	.6							8.4	8.8
SW	1.3	1.3	2.6	3.2								8.4	8.5
WSW	1.9	3.9	2.6	1.3								9.7	6.7
W	1.3	9.0	4.5	2.6	.6							18.1	7.5
WNW		1.9	1.3									3.2	6.4
NW	1.3	.6	2.6	2.6	.6							7.7	9.4
NNW	2.6	1.3	.6									4.5	3.9
VARBL													
CALM												9.7	
	13.5	28.4	27.1	18.1	3.2							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS

STATION NAME

73-77

YEARS

DEC

MONTH

21

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6	1.3									1.9	6.3
NNE			.6	1.9								2.6	12.0
NE			1.9	.6								2.6	10.3
ENE			.6									.6	8.0
E		1.9	.6	1.3								3.9	8.8
ESE		.6	2.6	.6								3.9	8.8
SE	.6	.6	1.3									2.6	5.8
SSE		.6	.6									1.3	5.5
S	1.3	2.6	3.9	1.9								9.7	7.9
SSW	1.9	1.9	3.9	1.3								9.0	7.4
SW	2.6	1.3	2.6	3.2	.6							10.3	8.4
WSW	1.3	3.2	1.3	1.3								7.1	6.3
W	2.6	2.6	2.6	5.2	.6							13.5	8.8
WNW	2.6	4.5	3.2	.6								11.0	6.1
NW	.6	1.9	4.5									7.1	7.1
NNW		1.3	1.9	1.9								5.2	10.0
VARBL													
CALM												7.7	
	13.5	23.9	33.5	20.0	1.3							100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.8	.9	1.3	.2							3.6	9.2
NNE	.2	.2	.6	1.5	.1	.1						2.7	11.6
NE	.1	.4	1.0	.6	.4	.1						2.5	11.1
ENE	.2	.4	.6	.3								1.5	7.6
E	.7	.6	1.0	1.6								4.0	8.7
ESE	.4	.6	1.0	.2								2.2	7.2
SE	.2	.3	1.0	.4								1.9	8.3
SSE	.9	.8	1.0	.3								3.0	6.4
S	1.0	2.4	2.7	1.4	.2							7.7	7.5
SSW	1.0	2.5	3.1	2.3	.2	.1						9.2	8.5
SW	.9	2.2	2.4	2.6	.2							8.3	8.6
WSW	.9	2.5	3.0	2.0								8.4	7.9
W	1.6	3.5	4.4	3.1	.6							13.2	8.3
WNW	1.5	2.0	2.4	1.7	.3	.1						8.0	8.1
NW	.7	1.9	2.7	1.3	.1							6.7	7.8
NNW	.6	1.6	2.3	.9	.1							5.6	7.8
VARBL													
CALM												11.6	
	11.3	22.8	29.9	21.5	2.5	.3						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

1240

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

ALL
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.2	1.5	1.0	.1	.0		.0				4.4	7.9
NNE	.5	1.2	1.6	1.1	.2	.0						4.7	8.7
NE	.4	1.3	1.6	1.0	.2	.0						4.6	8.5
ENE	.5	1.5	1.6	.6	.0	.0	.0	.0				4.3	7.3
E	.7	1.9	1.8	.6	.0		.0					5.1	6.9
ESE	.5	.9	1.0	.3	.0							2.7	6.7
SE	.3	.7	.7	.2	.0							1.9	6.8
SSE	.4	.6	.7	.3	.0							2.0	7.3
S	1.1	2.1	2.7	1.4	.2	.0						7.5	7.8
SSW	.8	2.3	3.0	1.9	.3	.0	.0					8.3	8.5
SW	.6	2.2	2.6	1.7	.2	.0	.0	.0				7.6	8.3
WSW	1.1	2.1	2.5	1.4	.1	.0	.0					7.3	7.7
W	1.6	3.2	3.5	2.3	.4	.0						11.0	8.0
WNW	1.0	1.7	2.0	1.0	.1	.0						5.7	7.3
NW	.7	1.5	1.4	.7	.0							4.3	7.1
NNW	.6	1.4	1.4	.5	.0		.0					3.9	7.2
VARBL													
CALM												14.7	
	11.9	25.8	29.4	15.9	2.0	.3	.0	.0				100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

14607

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14855
STATION

GLENVIEW, ILLINOIS

73-77

STATION NAME

YEARS

ALL
MONTH

INSTRUMENT
CLASS

ALL
HOURS (L.S.T.)

CIG 200 TO 1400 FT W/VSBY 1/2 MI OR MORE,

CONDITION

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.8	3.2	2.4	.4							8.2	9.0
NNE	.6	2.0	2.1	2.1	.3	.2						7.3	9.2
NE	.3	1.4	2.5	1.8	.5	.2						6.7	9.9
ENE	.7	1.4	2.2	1.3	.1	.1	.1	.1				5.9	8.6
E	1.3	1.9	2.4	2.2	.1							8.0	8.0
ESE	.6	1.1	1.4	.6	.1							3.8	7.3
SE	.3	.7	1.0	.3								2.3	6.9
SSE	.1	1.3	1.1	.6	.1							3.2	8.2
S	.9	2.2	2.7	1.2	.1							7.1	7.6
SSW	.9	2.1	2.2	1.0	.2							6.4	7.4
SW	.7	2.4	2.2	1.1	.1	.1						6.6	7.5
WSW	.8	1.4	2.1	1.6								5.8	8.0
W	.7	1.3	2.0	.7	.4							5.1	8.3
WNW	.4	1.1	.7	.6	.1							2.8	7.4
NW	.5	1.1	1.1	.7	.1							3.5	7.9
NNW	.5	1.2	1.6	.6								4.0	7.6
VARBL													
CALM												13.1	
	10.0	24.6	30.7	18.8	2.3	.4	.1	.1				100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

1868

NWSD, Federal Building
Asheville, N. C.

PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than $6/10$ total sky cover and those cases where total sky cover is $6/10$ or more, but not more than $1/2$ of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	≥ 0
NO CEILING													
≥ 1800													
≥ 1500					91.0								92.6
≥ 1200													
≥ 1000													
≥ 900													
≥ 800													
≥ 700													
≥ 600													
≥ 500										97.4			98.1
≥ 400													
≥ 300													
≥ 200													
≥ 100													
≥ 0					95.4		96.9			98.3			100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
 For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
 Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
 Visibility ≥ 3 miles = 95.4%.
 Visibility ≥ 2 miles = 96.9%.
 Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

PART D

ADDITIONAL EXAMPLES

EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.

Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with > 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling > 500 feet with visibility > 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

PART D

SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	31.6	37.4	39.4	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 20000	34.8	40.7	42.6	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 18000	34.8	41.3	43.2	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 16000	34.8	41.3	43.2	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 14000	34.8	41.3	43.2	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 12000	35.5	42.6	44.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 10000	39.4	46.5	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 9000	39.4	46.5	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 8000	43.2	50.3	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 7000	45.2	52.3	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 6000	45.2	52.3	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 5000	45.2	52.3	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 4500	45.8	54.2	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 4000	46.5	54.8	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 3500	46.5	54.8	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 3000	51.0	60.0	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 2500	51.6	64.5	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 2000	53.6	69.0	72.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 1800	54.8	70.3	74.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 1500	55.5	71.6	76.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 1200	55.5	72.9	78.1	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1000	55.5	73.6	80.7	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 900	55.5	73.6	81.9	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 800	55.5	73.6	82.6	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 700	55.5	73.6	82.6	86.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 600	55.5	73.6	82.6	86.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 500	55.5	73.6	82.6	86.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 400	55.5	73.6	82.6	86.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 300	55.5	73.6	82.6	86.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 200	55.5	73.6	82.6	86.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 100	55.5	73.6	82.6	86.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
0	55.5	73.6	82.6	86.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

03
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½
NO CEILING	33.6	40.0	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 20000	36.1	43.2	44.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 18000	36.1	43.2	44.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 16000	36.1	43.2	44.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 14000	36.1	43.2	44.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 12000	36.1	44.5	45.8	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 10000	38.1	48.4	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 9000	38.1	48.4	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 8000	38.7	49.0	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 7000	40.0	51.0	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 6000	40.0	51.0	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 5000	41.3	52.3	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 4500	43.2	54.2	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 4000	43.2	54.2	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 3500	43.2	54.2	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 3000	46.5	60.0	63.2	63.9	63.9	64.5	64.5	64.5	64.5	64.5	64.5
≥ 2500	48.4	62.6	65.8	67.1	67.1	67.7	67.7	67.7	67.7	67.7	67.7
≥ 2000	50.3	66.5	70.3	71.6	71.6	72.3	72.9	72.9	72.9	72.9	72.9
≥ 1800	50.3	66.5	70.3	71.6	72.3	72.9	73.6	73.6	73.6	73.6	73.6
≥ 1500	52.3	72.3	77.4	78.7	79.4	80.7	81.3	81.3	81.3	81.3	81.3
≥ 1200	52.9	73.6	78.7	80.0	80.7	81.9	82.6	82.6	82.6	82.6	82.6
≥ 1000	52.9	74.8	80.0	81.3	81.9	83.2	83.9	84.5	84.5	84.5	84.5
≥ 900	52.9	76.1	83.2	85.2	85.8	87.1	87.7	88.4	88.4	88.4	88.4
≥ 800	52.9	76.1	83.2	85.2	85.8	87.7	89.0	91.0	91.6	91.6	91.6
≥ 700	52.9	76.1	83.9	86.5	89.0	90.3	91.6	92.9	94.2	94.2	94.2
≥ 600	52.9	76.1	83.9	86.5	89.7	91.0	92.3	93.6	94.8	94.8	94.8
≥ 500	52.9	76.1	83.9	86.5	89.7	91.0	92.9	94.2	95.5	95.5	95.5
≥ 400	52.9	76.1	83.9	86.5	89.7	91.0	93.6	94.8	96.1	97.4	97.4
≥ 300	52.9	76.1	83.9	86.5	89.7	91.0	94.8	96.1	98.7	98.7	98.7
≥ 200	52.9	76.1	83.9	86.5	89.7	91.0	94.8	96.1	98.7	99.4	99.4
≥ 100	52.9	76.1	83.9	86.5	89.7	91.0	94.8	96.1	98.7	99.4	99.4
0	52.9	76.1	83.9	86.5	89.7	91.0	94.8	96.1	98.7	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855
STATIONGLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

JAN
MONTH06
HOURS (L.S.T.)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	29.0	39.4	40.0	41.3	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 20000	31.6	42.6	43.2	44.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 18000	31.6	42.6	43.2	44.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 16000	31.6	42.6	43.2	44.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 14000	31.6	42.6	43.2	44.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 12000	31.6	42.6	43.2	44.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 10000	34.8	45.8	47.1	48.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 9000	34.8	45.8	47.1	48.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 8000	38.1	49.7	51.0	52.3	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 7000	38.7	50.3	51.6	52.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 6000	38.7	50.3	51.6	52.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 5000	40.0	51.6	52.9	54.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 4500	41.3	54.2	55.5	56.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 4000	41.3	54.2	55.5	56.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 3500	41.9	56.1	57.4	58.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 3000	43.2	59.4	60.7	61.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 2500	43.9	60.7	61.9	63.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 2000	44.5	63.2	65.2	66.5	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 1800	45.2	64.5	67.1	68.4	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 1500	46.5	67.1	71.6	73.6	76.1	76.1	76.8	76.8	76.8	77.4	77.4	77.4
≥ 1200	48.4	72.3	77.4	80.7	83.9	83.9	84.5	84.5	84.5	85.2	85.2	85.2
≥ 1000	49.0	74.2	80.7	83.9	87.1	87.1	87.7	87.7	87.7	89.0	89.0	89.0
≥ 900	49.0	74.2	80.7	83.9	87.1	87.1	87.7	87.7	87.7	89.0	89.0	89.0
≥ 800	49.7	76.1	82.6	85.8	89.0	89.0	90.3	90.3	90.3	92.3	92.3	92.3
≥ 700	49.7	76.1	82.6	85.8	89.0	89.0	90.3	90.3	90.3	92.3	92.3	92.3
≥ 600	49.7	76.1	82.6	85.8	89.0	89.0	90.3	90.3	90.3	92.3	92.3	92.3
≥ 500	49.7	76.1	82.6	85.8	89.0	89.0	90.3	90.3	90.3	92.3	92.3	92.3
≥ 400	49.7	76.1	82.6	85.8	89.0	89.0	90.3	90.3	90.3	92.3	92.3	92.3
≥ 300	49.7	76.1	82.6	85.8	89.0	89.0	90.3	90.3	90.3	92.3	92.3	92.3
≥ 200	49.7	76.1	82.6	85.8	89.0	89.0	90.3	90.3	90.3	92.3	92.3	92.3
≥ 100	49.7	76.1	82.6	85.8	89.0	89.0	90.3	90.3	90.3	92.3	92.3	92.3
0	49.7	76.1	82.6	85.8	89.0	89.0	90.3	90.3	90.3	92.3	92.3	92.3

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

09
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	28.4	35.5	35.5	36.8	37.4	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 20000	30.3	37.4	37.4	38.7	39.4	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 18000	30.3	37.4	37.4	38.7	39.4	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 16000	30.3	37.4	37.4	38.7	39.4	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 14000	30.3	37.4	37.4	38.7	39.4	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 12000	32.3	40.0	40.7	42.6	43.2	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 10000	33.6	43.2	43.9	45.8	47.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 9000	33.6	43.2	43.9	45.8	47.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 8000	35.5	45.2	46.5	48.4	49.7	51.6	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 7000	36.1	46.5	47.7	49.7	51.0	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 6000	36.1	46.5	47.7	49.7	51.0	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 5000	37.4	47.7	49.0	51.0	52.9	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 4500	38.7	49.7	51.0	52.9	54.8	56.8	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 4000	38.7	51.0	52.3	54.2	56.1	58.1	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 3500	38.7	51.6	52.9	54.8	57.4	60.0	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 3000	40.7	54.8	56.1	58.1	60.7	63.2	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 2500	42.6	56.8	58.1	60.0	62.6	65.2	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 2000	43.9	59.4	61.3	63.2	67.1	69.7	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 1800	44.5	61.3	63.9	65.8	69.7	72.3	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 1500	45.2	63.2	65.8	68.4	72.9	75.5	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1200	45.8	65.2	67.7	71.0	75.5	78.1	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1000	45.8	67.7	71.0	74.8	80.7	83.9	87.1	87.7	88.4	88.4	88.4	88.4	88.4	88.4
≥ 900	45.8	69.0	72.9	76.8	82.6	86.5	89.7	90.3	91.0	91.0	91.0	91.0	91.0	91.0
≥ 800	45.8	69.0	72.9	76.8	83.9	87.7	91.6	92.3	92.9	92.9	92.9	92.9	92.9	92.9
≥ 700	45.8	69.7	73.6	77.4	84.5	88.4	92.3	92.9	93.6	93.6	93.6	93.6	93.6	93.6
≥ 600	45.8	69.7	73.6	77.4	85.2	89.0	92.9	93.6	94.2	94.2	94.2	94.2	94.2	94.2
≥ 500	45.8	70.3	74.2	78.1	85.8	90.3	94.2	94.8	95.5	95.5	95.5	95.5	95.5	95.5
≥ 400	45.8	70.3	74.2	78.1	85.8	90.3	94.2	95.5	96.1	96.1	96.1	96.1	96.1	96.1
≥ 300	45.8	70.3	74.2	78.1	85.8	91.0	94.8	96.1	96.8	96.8	96.8	96.8	96.8	96.8
≥ 200	45.8	70.3	74.2	78.1	85.8	91.0	94.8	96.1	96.8	96.8	96.8	96.8	96.8	96.8
≥ 100	45.8	70.3	74.2	78.1	85.8	91.0	94.8	96.1	96.8	96.8	96.8	96.8	96.8	96.8
≥ 0	45.8	70.3	74.2	78.1	85.8	91.0	94.8	96.1	96.8	96.8	96.8	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	32.9	36.8	37.4	38.7	38.7	38.7	38.7	39.4	39.4	39.4	39.4	39.4	39.4
≥ 20000	38.7	43.2	43.9	45.2	45.8	45.8	45.8	46.5	46.5	46.5	46.5	46.5	46.5
≥ 18000	38.7	43.2	43.9	45.2	45.8	45.8	45.8	46.5	46.5	46.5	46.5	46.5	46.5
≥ 16000	38.7	43.2	43.9	45.2	45.8	45.8	45.8	46.5	46.5	46.5	46.5	46.5	46.5
≥ 14000	38.7	43.2	43.9	45.2	45.8	45.8	45.8	46.5	46.5	46.5	46.5	46.5	46.5
≥ 12000	41.3	47.1	47.7	49.0	49.7	49.7	49.7	50.3	50.3	50.3	50.3	50.3	50.3
≥ 10000	43.9	51.0	52.3	53.6	54.2	54.2	54.2	54.8	54.8	54.8	54.8	54.8	54.8
≥ 9000	43.9	51.0	52.3	53.6	54.2	54.2	54.2	54.8	54.8	54.8	54.8	54.8	54.8
≥ 8000	45.2	54.8	58.1	59.4	60.0	60.0	60.0	60.7	60.7	60.7	60.7	60.7	60.7
≥ 7000	45.2	54.8	58.1	60.0	60.7	60.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3
≥ 6000	45.2	54.8	58.1	60.0	60.7	60.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3
≥ 5000	45.2	54.8	58.7	60.7	61.3	61.3	61.3	61.9	61.9	61.9	61.9	61.9	61.9
≥ 4500	45.2	54.8	58.7	60.7	61.3	61.3	61.3	61.9	61.9	61.9	61.9	61.9	61.9
≥ 4000	46.5	56.1	60.0	61.9	62.6	62.6	62.6	63.2	63.2	63.2	63.2	63.2	63.2
≥ 3500	46.5	56.8	61.3	63.2	63.9	63.9	63.9	64.5	64.5	64.5	64.5	64.5	64.5
≥ 3000	47.1	58.1	62.6	64.5	65.2	65.8	66.5	67.1	67.1	67.1	67.1	67.1	67.1
≥ 2500	49.7	62.6	67.1	69.0	69.7	70.3	71.0	71.6	71.6	71.6	71.6	71.6	71.6
≥ 2000	52.3	65.2	70.3	72.3	72.9	74.2	75.5	76.1	76.1	76.1	76.1	76.1	76.1
≥ 1800	52.9	67.1	72.3	74.6	75.5	76.8	78.1	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1500	54.2	68.4	73.6	76.1	78.1	80.0	81.3	82.6	83.9	83.9	83.9	83.9	83.9
≥ 1200	54.2	68.4	74.2	78.7	80.7	82.6	84.5	85.8	87.1	87.1	87.1	87.1	87.1
≥ 1000	54.8	69.7	75.5	81.9	83.9	85.8	87.7	89.0	90.3	91.0	91.0	91.0	91.0
≥ 900	55.5	70.3	76.1	82.6	86.5	88.4	90.3	91.6	92.9	93.6	93.6	93.6	93.6
≥ 800	55.5	70.3	76.1	82.6	86.5	88.4	91.0	92.3	93.6	94.2	94.2	94.2	94.2
≥ 700	55.5	70.3	76.1	83.2	87.1	89.0	91.0	92.9	94.2	94.8	94.8	94.8	94.8
≥ 600	55.5	70.3	76.1	83.2	87.1	89.0	91.6	92.9	94.2	94.8	94.8	94.8	94.8
≥ 500	55.5	70.3	76.1	83.2	87.1	89.0	91.6	92.9	94.2	94.8	94.8	94.8	94.8
≥ 400	55.5	70.3	76.1	83.2	87.1	89.0	91.6	93.6	94.8	95.5	96.1	96.1	96.1
≥ 300	55.5	70.3	76.1	83.2	87.1	89.0	91.6	94.2	95.5	96.8	97.4	98.1	98.1
≥ 200	55.5	70.3	76.1	83.2	87.1	89.0	91.6	94.2	95.5	96.8	98.1	98.7	99.4
≥ 100	55.5	70.3	76.1	83.2	87.1	89.0	91.6	94.2	95.5	96.8	98.1	98.7	99.4
≥ 0	55.5	70.3	76.1	83.2	87.1	89.0	91.6	94.2	95.5	96.8	98.1	98.7	99.4

TOTAL NUMBER OF OBSERVATIONS

135

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	34.2	38.1	38.7	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 20000	41.3	46.5	47.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 18000	41.3	46.5	47.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 16000	41.3	46.5	47.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 14000	41.3	46.5	47.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 12000	41.9	47.1	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 10000	45.2	51.0	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 9000	45.2	51.0	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 8000	48.4	55.5	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 7000	48.4	56.8	58.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 6000	48.4	57.4	59.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 5000	48.4	58.1	60.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 4500	48.4	58.1	60.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 4000	49.0	60.0	61.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 3500	49.7	60.7	62.6	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 3000	50.3	62.6	64.5	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 2500	51.6	65.2	67.7	69.0	70.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 2000	54.2	69.0	73.6	76.1	77.4	77.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1800	54.2	69.0	73.6	76.1	78.1	78.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1500	57.4	73.6	80.7	83.2	85.2	85.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1200	57.4	73.6	81.9	84.3	87.7	87.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1000	57.4	73.6	82.6	85.8	89.7	89.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 900	57.4	73.6	82.6	86.5	90.3	90.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 800	57.4	73.6	82.6	86.5	90.3	90.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 700	57.4	73.6	82.6	86.5	90.3	90.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 600	57.4	73.6	82.6	86.5	90.3	90.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 500	57.4	73.6	82.6	86.5	90.3	91.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 400	57.4	73.6	82.6	86.5	90.3	91.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 300	57.4	73.6	82.6	86.5	90.3	91.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 200	57.4	73.6	82.6	86.5	90.3	91.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 100	57.4	73.6	82.6	86.5	90.3	91.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 0	57.4	73.6	82.6	86.5	90.3	91.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

18
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	35.1	43.2	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 20000	40.0	48.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 18000	40.0	48.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 16000	40.0	48.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 14000	40.0	48.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 12000	41.3	49.7	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 10000	45.8	54.2	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 9000	45.8	54.2	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 8000	47.1	56.1	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 7000	47.1	56.1	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 6000	47.1	56.1	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 5000	47.1	56.1	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 4500	48.4	57.4	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 4000	48.4	58.1	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 3500	50.3	61.9	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 3000	50.3	63.2	68.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 2500	52.3	66.5	71.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 2000	54.8	71.6	76.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 1800	55.5	72.3	77.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1500	55.5	72.9	79.4	81.3	81.3	81.3	83.2	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1200	55.5	73.6	81.3	83.9	84.5	85.2	86.5	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1000	56.8	74.8	83.2	85.8	86.5	87.1	88.4	89.0	89.0	89.7	89.7	89.7	89.7
≥ 900	56.8	75.5	83.9	86.5	87.1	87.7	89.7	91.0	91.0	91.6	91.6	91.6	91.6
≥ 800	56.8	75.5	83.9	87.1	87.7	88.4	91.0	92.9	92.9	93.6	93.6	93.6	93.6
≥ 700	56.8	75.5	83.9	87.1	87.7	88.4	91.0	92.9	92.9	93.6	93.6	93.6	93.6
≥ 600	56.8	75.5	84.5	87.7	89.0	90.3	92.9	94.8	94.8	95.5	95.5	95.5	95.5
≥ 500	56.8	75.5	84.5	87.7	89.0	90.3	93.6	95.5	95.5	96.1	96.1	96.1	96.1
≥ 400	56.8	75.5	84.5	87.7	89.0	90.3	94.2	96.1	96.1	97.4	97.4	97.4	97.4
≥ 300	56.8	75.5	84.5	87.7	89.0	90.3	94.8	97.4	97.4	98.7	98.7	98.7	98.7
≥ 200	56.8	75.5	84.5	87.7	89.0	90.3	94.8	98.1	98.1	99.4	99.4	99.4	99.4
≥ 100	56.8	75.5	84.5	87.7	89.0	90.3	94.8	98.1	98.1	99.4	99.4	99.4	99.4
≥ 0	56.8	75.5	84.5	87.7	89.0	90.3	94.8	98.1	98.1	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION NAME: ALBUQUERQUE (ATTACHMENT, ASHEVILLE, NC)

73-77

STATION NAME: ALBUQUERQUE, ILLINOIS

YEARS

JAN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	32.9	39.4	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 20000	36.8	43.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
18000	38.1	44.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
16000	38.1	44.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
14000	38.7	45.2	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
12000	38.7	45.2	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
10000	43.2	49.7	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
9000	43.2	49.7	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
8000	47.7	54.2	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
7000	48.4	55.5	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
6000	48.4	55.5	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
5000	48.4	56.8	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
4500	48.4	56.8	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
4000	48.4	57.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
3500	48.4	59.4	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
3000	52.9	65.2	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
2500	53.6	65.8	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
2000	55.5	69.7	72.3	72.9	72.9	72.9	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2
1800	55.5	69.7	72.9	74.2	74.2	74.2	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5
1500	58.1	74.2	77.4	78.7	78.7	78.7	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0
1200	58.1	76.1	80.0	81.3	81.3	81.3	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6
1000	58.1	76.8	82.6	84.5	84.5	84.5	85.2	85.8	85.8	85.8	86.5	86.5	86.5	86.5
900	58.1	78.1	84.5	87.1	87.7	87.7	88.4	89.0	89.0	89.0	89.7	89.7	89.7	89.7
800	58.1	78.1	84.5	87.1	87.7	87.7	88.4	89.0	89.0	89.0	89.7	89.7	89.7	89.7
700	58.1	78.1	84.5	87.7	89.0	89.0	89.7	91.6	91.6	91.6	92.3	92.3	92.3	92.3
600	56.1	78.1	84.5	87.7	89.7	89.7	91.0	92.9	92.9	93.6	94.2	94.2	94.2	94.2
500	58.1	78.1	84.5	87.7	89.7	89.7	91.0	93.6	93.6	95.5	96.1	96.1	96.1	96.1
400	58.1	78.1	84.5	87.7	89.7	89.7	91.0	93.6	93.6	96.1	96.8	96.8	96.8	96.8
300	58.1	78.1	84.5	87.7	89.7	89.7	91.0	93.6	93.6	98.1	98.7	98.7	98.7	98.7
200	58.1	78.1	84.5	87.7	89.7	89.7	91.0	94.2	94.2	99.4	100.0	100.0	100.0	100.0
100	58.1	78.1	84.5	87.7	89.7	89.7	91.0	94.2	94.2	99.4	100.0	100.0	100.0	100.0
0	58.1	78.1	84.5	87.7	89.7	89.7	91.0	94.2	94.2	99.4	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	37.3	38.7	39.6	40.2	40.4	40.5	40.5	40.6	40.6	40.6	40.6	40.6	40.6
≥ 20000	36.2	43.2	44.2	44.9	45.2	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3
≥ 18000	36.4	43.4	44.4	45.2	45.4	45.5	45.5	45.6	45.6	45.6	45.6	45.6	45.6
≥ 16000	36.4	43.4	44.4	45.2	45.4	45.5	45.5	45.6	45.6	45.6	45.6	45.6	45.6
≥ 14000	36.5	43.5	44.5	45.2	45.5	45.6	45.6	45.7	45.7	45.7	45.7	45.7	45.7
≥ 12000	37.3	44.8	46.1	46.9	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 10000	40.5	48.7	50.3	51.2	51.6	51.7	51.7	51.8	51.8	51.8	51.8	51.8	51.8
≥ 9000	40.5	48.7	50.3	51.2	51.6	51.7	51.7	51.8	51.8	51.8	51.8	51.8	51.8
≥ 8000	43.0	51.9	54.1	55.0	55.4	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8
≥ 7000	43.6	52.9	55.2	56.3	56.7	56.9	57.0	57.1	57.1	57.1	57.1	57.1	57.1
≥ 6000	43.6	53.0	55.4	56.5	56.9	57.1	57.2	57.3	57.3	57.3	57.3	57.3	57.3
≥ 5000	44.1	53.7	56.2	57.3	57.7	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2
≥ 4500	44.9	54.9	57.4	58.5	59.0	59.2	59.3	59.4	59.4	59.4	59.4	59.4	59.4
≥ 4000	45.2	55.8	58.3	59.4	59.8	60.1	60.2	60.3	60.3	60.3	60.3	60.3	60.3
≥ 3500	45.7	56.9	59.5	60.6	61.2	61.5	61.6	61.8	61.8	61.8	61.8	61.8	61.8
≥ 3000	47.7	60.4	63.2	64.4	65.0	65.5	65.8	66.1	66.1	66.1	66.1	66.1	66.1
≥ 2500	49.2	63.1	66.1	67.4	68.2	68.7	69.2	69.5	69.5	69.5	69.5	69.5	69.5
≥ 2000	51.1	66.7	70.3	71.9	72.9	73.5	74.4	74.8	74.8	74.8	74.8	74.8	74.8
≥ 1800	51.6	67.6	71.5	73.2	74.4	74.9	75.9	76.2	76.2	76.2	76.2	76.2	76.2
≥ 1500	53.1	70.4	75.3	77.3	78.7	79.5	81.0	81.5	81.6	81.7	81.7	81.7	81.7
≥ 1200	53.5	71.9	77.4	80.0	81.8	82.6	84.1	84.6	84.8	84.8	84.8	84.8	84.8
≥ 1000	53.8	73.2	79.5	82.6	84.7	85.6	87.3	87.9	88.2	88.5	88.6	88.7	88.7
≥ 900	53.9	73.8	80.7	84.1	86.5	87.5	89.4	90.2	90.4	90.8	91.0	91.1	91.1
≥ 800	54.0	74.0	81.1	84.6	87.3	88.4	90.6	91.5	91.8	92.3	92.4	92.5	92.5
≥ 700	54.0	74.1	81.2	85.2	88.2	89.4	91.6	92.7	93.0	93.6	93.7	93.8	93.8
≥ 600	54.0	74.1	81.3	85.2	88.6	89.6	92.3	93.4	93.6	94.3	94.4	94.5	94.5
≥ 500	54.0	74.2	81.4	85.3	88.8	90.2	93.1	94.4	94.6	95.4	95.7	95.7	95.7
≥ 400	54.0	74.2	81.4	85.3	88.8	90.2	93.3	94.9	95.2	96.5	96.8	96.9	96.9
≥ 300	54.0	74.2	81.4	85.3	88.9	90.4	93.7	95.5	95.7	97.4	97.9	98.0	98.3
≥ 200	54.0	74.2	81.4	85.3	88.9	90.4	93.7	95.7	95.9	97.9	98.6	99.0	99.4
≥ 100	54.0	74.2	81.4	85.3	88.9	90.4	93.7	95.7	95.9	98.0	98.6	99.2	99.9
≥ 0	54.0	74.2	81.4	85.3	88.9	90.4	93.7	95.7	95.9	98.0	98.6	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS

1240

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING	32.6	38.3	39.0	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥ 20000	36.2	42.6	43.3	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 18000	36.2	42.6	43.3	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 16000	36.2	42.6	43.3	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 14000	36.2	42.6	43.3	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 12000	40.4	46.8	47.5	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 10000	42.6	49.7	50.4	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 9000	42.6	49.7	50.4	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 8000	45.4	53.9	54.6	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 7000	45.4	54.6	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 6000	46.1	55.3	56.0	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 5000	47.5	58.2	58.9	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 4500	48.2	58.9	59.6	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 4000	48.2	59.6	60.3	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 3500	50.4	61.7	62.4	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 3000	51.8	64.5	66.7	67.4	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 2500	53.2	68.1	70.2	70.9	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 2000	56.0	73.8	78.7	79.4	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 1800	57.5	75.2	80.1	80.9	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 1500	58.9	78.0	83.7	84.4	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1200	58.9	78.7	84.4	85.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1000	58.9	80.1	86.5	87.9	90.8	90.8	90.8	90.8	90.8	90.8	91.5	91.5	91.5
≥ 900	58.9	80.1	86.5	87.9	90.8	90.8	90.8	90.8	90.8	90.8	91.5	91.5	91.5
≥ 800	58.9	80.1	86.5	87.9	90.8	92.2	93.6	93.6	93.6	93.6	94.3	94.3	94.3
≥ 700	58.9	80.9	87.2	89.4	92.2	93.6	95.7	95.7	95.7	95.7	96.5	96.5	96.5
≥ 600	58.9	80.9	87.2	89.4	92.2	93.6	95.7	95.7	95.7	95.7	96.5	96.5	96.5
≥ 500	58.9	80.9	87.2	89.4	92.2	93.6	95.7	95.7	95.7	95.7	96.5	96.5	96.5
≥ 400	58.9	80.9	87.2	89.4	92.2	93.6	95.7	95.7	95.7	95.7	96.5	96.5	96.5
≥ 300	58.9	80.9	87.2	89.4	92.2	93.6	95.7	95.7	95.7	95.7	96.5	96.5	96.5
≥ 200	58.9	80.9	87.2	89.4	92.2	93.6	95.7	95.7	95.7	95.7	96.5	96.5	96.5
≥ 100	58.9	80.9	87.2	89.4	92.2	93.6	95.7	95.7	95.7	95.7	96.5	96.5	96.5
≥ 0	58.9	80.9	87.2	89.4	92.2	93.6	95.7	95.7	95.7	95.7	96.5	96.5	96.5

TOTAL NUMBER OF OBSERVATIONS

141

CEILING VERSUS VISIBILITY

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

03
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	35.5	39.7	40.4	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	43.3	43.3
≥ 20000	36.2	41.8	42.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	45.4	45.4
≥ 18000	36.2	41.8	42.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	45.4	45.4
≥ 16000	36.2	41.8	42.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	45.4	45.4
≥ 14000	36.2	41.8	42.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	45.4	45.4
≥ 12000	36.9	42.6	43.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	46.1	46.1
≥ 10000	40.4	47.5	48.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	51.1	51.1
≥ 9000	40.4	47.5	48.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	51.1	51.1
≥ 8000	41.8	50.4	51.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.9	53.9
≥ 7000	41.8	50.4	51.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.9	53.9
≥ 6000	42.6	51.1	51.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	54.6	54.6
≥ 5000	44.7	53.9	54.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	57.5	57.5
≥ 4500	44.7	54.6	55.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	58.2	58.2
≥ 4000	44.7	56.7	58.2	60.3	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.7	61.7
≥ 3500	46.8	59.6	61.0	63.1	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	64.5	64.5
≥ 3000	48.2	61.7	63.1	65.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	67.4	67.4
≥ 2500	49.7	66.7	69.5	72.3	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	74.5	74.5
≥ 2000	51.1	68.8	71.6	74.5	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	78.0	78.0
≥ 1800	52.5	70.9	73.8	76.6	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	80.1	80.1
≥ 1500	53.2	73.1	76.6	79.4	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	83.0	83.0
≥ 1200	53.2	74.5	78.7	81.6	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	85.8	85.8
≥ 1000	53.2	74.5	78.7	81.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	87.2	87.2
≥ 900	53.2	75.2	79.4	83.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	88.7	88.7
≥ 800	53.2	76.6	80.9	84.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	91.5	91.5
≥ 700	53.2	76.6	80.9	85.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	91.5	91.5
≥ 600	53.2	77.3	81.6	86.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	93.6	93.6
≥ 500	53.2	77.3	82.3	87.2	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	95.0	95.0
≥ 400	53.2	78.0	83.0	87.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	95.7	95.7
≥ 300	53.2	78.0	83.0	87.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	97.2	97.2
≥ 200	53.2	78.0	83.0	87.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	99.3	99.3
≥ 100	53.2	78.0	83.0	87.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	99.3	99.3
≥ 0	53.2	78.0	83.0	87.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14855
STATION

STATION NAME
GLENVIEW, ILLINOIS

73-77

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

06
HOURS (LST)

HOURS (L S Y)

[illegible]

TOTAL NUMBER OF OBSERVATIONS

141

DIRNA VOCEANMET SMOS

SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

09
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½	≥ 5/16
NO CEILING	25.5	37.6	38.3	39.0	39.7	41.1	42.6	43.3	43.3	43.3	43.3	43.3
≥ 20000	27.7	41.1	42.6	43.3	44.7	46.1	47.5	48.2	48.2	48.2	48.2	48.2
≥ 18000	27.7	41.1	42.6	43.3	44.7	46.1	47.5	48.2	48.2	48.2	48.2	48.2
≥ 16000	27.7	41.1	42.6	43.3	44.7	46.1	47.5	48.2	48.2	48.2	48.2	48.2
≥ 14000	27.7	41.1	42.6	43.3	44.7	46.1	47.5	48.2	48.2	48.2	48.2	48.2
≥ 12000	28.4	43.3	44.7	45.4	46.8	48.2	49.7	50.4	50.4	50.4	50.4	50.4
≥ 10000	29.1	45.4	47.5	48.2	49.7	51.1	52.5	53.2	53.2	53.2	53.2	53.2
≥ 9000	29.8	46.1	48.2	48.9	50.4	51.8	53.2	53.9	53.9	53.9	53.9	53.9
≥ 8000	31.9	50.4	52.5	53.2	54.6	56.7	58.2	58.9	58.9	58.9	58.9	58.9
≥ 7000	34.0	52.5	54.6	55.3	57.5	59.6	61.0	61.7	61.7	61.7	61.7	61.7
≥ 6000	34.0	52.5	54.6	55.3	57.5	59.6	61.0	61.7	61.7	61.7	61.7	61.7
≥ 5000	34.8	53.9	56.0	56.7	58.9	61.0	62.4	63.1	63.1	63.1	63.1	63.1
≥ 4500	34.8	53.9	56.0	56.7	58.9	61.0	62.4	63.1	63.1	63.1	63.1	63.1
≥ 4000	34.8	54.6	56.7	57.5	59.6	61.7	63.1	63.8	63.8	63.8	63.8	63.8
≥ 3500	34.8	56.0	58.2	58.9	61.0	63.1	64.5	65.3	65.3	65.3	65.3	65.3
≥ 3000	35.5	57.5	59.6	60.3	62.4	64.5	66.0	66.7	66.7	66.7	66.7	66.7
≥ 2500	38.3	62.4	65.3	66.0	68.1	70.2	71.6	72.3	72.3	72.3	72.3	72.3
≥ 2000	38.3	64.5	67.4	68.1	70.9	73.8	75.9	77.3	77.3	78.0	78.0	78.0
≥ 1800	39.0	65.3	68.8	70.2	72.3	75.2	77.3	78.7	79.4	79.4	79.4	79.4
≥ 1500	40.4	66.7	70.9	73.1	75.2	78.7	81.6	83.7	84.4	84.4	84.4	84.4
≥ 1200	40.4	67.4	72.3	75.2	78.0	81.6	84.4	86.5	87.9	87.9	87.9	87.9
≥ 1000	40.4	68.1	73.1	77.3	80.9	84.4	87.2	89.4	89.4	91.5	91.5	91.5
≥ 900	40.4	68.1	73.1	77.3	80.9	84.4	87.2	89.4	89.4	91.5	91.5	91.5
≥ 800	40.4	68.1	73.8	78.0	82.3	86.5	89.4	91.5	93.6	93.6	93.6	93.6
≥ 700	40.4	68.1	73.8	78.0	83.0	87.2	90.1	92.2	94.3	94.3	94.3	94.3
≥ 600	40.4	68.1	73.8	78.0	83.0	87.2	90.8	92.9	95.0	95.0	95.7	95.7
≥ 500	40.4	68.1	73.8	78.0	83.0	87.2	90.8	92.9	95.0	95.7	96.5	96.5
≥ 400	40.4	68.1	73.8	78.0	83.0	87.2	90.8	92.9	95.0	95.7	96.5	96.5
≥ 300	40.4	68.1	73.8	78.0	83.0	87.2	90.8	92.9	95.0	96.5	97.2	97.2
≥ 200	40.4	68.1	73.8	78.0	83.0	87.2	90.8	92.9	95.7	97.2	97.9	97.9
≥ 100	40.4	68.1	73.8	78.0	83.0	87.2	90.8	92.9	95.7	97.2	97.9	97.9
0	40.4	68.1	73.8	78.0	83.0	87.2	90.8	92.9	95.7	97.2	97.9	97.9

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14895
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	29.8	35.5	35.5	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
≥ 20000	34.8	42.6	42.6	44.0	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 18000	34.8	42.6	42.6	44.0	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 16000	34.8	42.6	42.6	44.0	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 14000	34.8	42.6	42.6	44.0	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 12000	35.5	44.7	44.7	46.1	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 10000	39.7	50.4	51.1	52.5	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 9000	39.7	51.1	51.8	53.2	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 8000	42.6	55.3	56.7	58.2	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 7000	43.3	56.0	57.5	58.9	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 6000	43.3	56.0	58.2	59.6	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 5000	44.0	56.7	59.6	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 4500	44.0	56.7	59.6	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 4000	44.0	56.7	59.6	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 3500	44.0	57.5	60.3	61.7	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 3000	46.8	61.0	63.8	66.0	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 2500	47.5	65.3	68.1	70.2	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 2000	49.7	68.1	71.6	73.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 1800	49.7	68.1	71.6	74.5	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 1500	52.5	73.8	78.0	80.9	83.7	83.7	83.7	84.4	84.4	84.4	84.4	84.4	84.4
≥ 1200	52.5	75.2	79.4	83.7	86.5	86.5	87.2	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1000	53.2	75.9	80.9	85.8	88.7	90.1	90.8	92.2	92.2	92.2	92.2	92.2	92.2
≥ 900	53.2	75.9	80.9	85.8	88.7	90.1	90.8	92.2	92.2	92.2	92.2	92.2	92.2
≥ 800	53.2	75.9	80.9	85.8	88.7	90.1	90.8	92.2	92.2	92.2	92.2	92.2	92.2
≥ 700	53.2	76.6	81.6	86.5	90.1	91.5	92.2	93.6	93.6	93.6	93.6	93.6	93.6
≥ 600	53.2	76.6	81.6	86.5	90.1	92.2	93.6	95.0	95.0	95.0	95.0	95.0	95.0
≥ 500	53.2	76.6	81.6	86.5	90.1	92.2	93.6	95.0	95.0	95.0	95.0	95.0	95.0
≥ 400	53.2	76.6	82.3	87.2	90.8	92.9	94.3	95.7	95.7	95.7	95.7	95.7	95.7
≥ 300	53.2	76.6	82.3	87.2	90.8	92.9	94.3	95.7	95.7	95.7	95.7	95.7	95.7
≥ 200	53.2	76.6	82.3	87.2	90.8	92.9	94.3	95.7	95.7	95.7	95.7	95.7	95.7
≥ 100	53.2	76.6	82.3	87.2	90.8	92.9	94.3	95.7	95.7	95.7	95.7	95.7	95.7
0	53.2	76.6	82.3	87.2	90.8	92.9	94.3	95.7	95.7	95.7	95.7	95.7	95.7

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14255
STATIONGLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

FEB
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)15
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	34.0	41.1	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 20000	38.3	46.8	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 18000	38.3	46.8	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 16000	38.3	46.8	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 14000	39.7	48.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 12000	41.1	50.4	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 10000	41.8	51.8	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 9000	42.6	52.5	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 8000	44.7	55.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 7000	45.4	56.0	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 6000	45.4	56.0	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 5000	45.4	56.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 4500	45.4	57.5	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 4000	46.1	58.9	60.3	61.0	61.7	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 3500	47.5	61.0	62.4	63.1	63.8	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 3000	50.4	64.5	66.0	66.7	67.4	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 2500	51.8	68.1	69.5	70.2	70.9	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 2000	54.6	73.1	74.5	75.9	77.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1800	55.3	74.5	75.9	77.3	78.7	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 1500	57.5	79.4	80.9	82.3	83.7	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1200	57.5	80.9	83.0	84.4	85.8	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 1000	57.5	81.6	83.7	85.1	87.2	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 900	57.5	81.6	83.7	85.8	87.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 800	57.5	81.6	83.7	85.8	87.9	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 700	57.5	81.6	83.7	86.5	88.7	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 600	57.5	81.6	84.4	87.2	89.4	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 500	57.5	81.6	84.4	87.2	89.4	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 400	57.5	81.6	84.4	87.2	89.4	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 300	57.5	81.6	84.4	87.2	89.4	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 200	57.5	81.6	84.4	87.2	89.4	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 100	57.5	81.6	84.4	87.2	89.4	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
0	57.5	81.6	84.4	87.2	89.4	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

18
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	35.5	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 20000	39.7	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 18000	39.7	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 16000	39.7	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 14000	40.4	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 12000	44.7	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 10000	46.8	60.3	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 9000	46.8	60.3	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 8000	46.8	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 7000	46.8	61.0	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 6000	46.8	61.0	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 5000	48.2	62.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 4500	48.2	63.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 4000	48.9	64.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 3500	48.9	66.0	68.1	68.1	68.8	68.8	68.8	69.5	69.5	69.5	69.5	69.5
≥ 3000	50.4	68.8	70.9	70.9	71.6	72.3	72.3	73.1	73.1	73.1	73.1	73.1
≥ 2500	51.1	72.3	75.2	75.2	75.9	76.6	76.6	77.3	77.3	77.3	77.3	77.3
≥ 2000	51.8	73.8	76.6	77.3	79.4	80.9	80.9	81.6	81.6	81.6	81.6	81.6
≥ 1800	52.5	75.2	78.0	78.7	81.6	83.0	83.0	83.7	83.7	83.7	83.7	83.7
≥ 1500	52.5	75.9	78.7	80.1	83.0	84.4	84.4	85.8	85.8	85.8	85.8	85.8
≥ 1200	52.5	76.6	79.4	80.9	83.7	85.1	85.1	86.5	86.5	86.5	86.5	86.5
≥ 1000	53.9	78.7	83.0	85.1	88.7	90.1	90.1	91.5	91.5	91.5	91.5	91.5
≥ 900	53.9	79.4	83.7	85.8	89.4	90.8	90.8	92.2	92.2	92.2	92.2	92.2
≥ 800	53.9	80.1	84.4	86.5	90.1	91.5	91.5	92.9	92.9	94.3	94.3	94.3
≥ 700	53.9	80.1	84.4	86.5	90.1	92.2	92.2	94.3	94.3	95.7	95.7	95.7
≥ 600	53.9	80.1	84.4	86.5	90.1	92.2	92.2	94.3	95.0	97.2	97.2	97.2
≥ 500	53.9	80.1	84.4	87.2	90.8	92.9	92.9	95.7	96.5	98.6	98.6	98.6
≥ 400	53.9	80.1	84.4	87.2	90.8	92.9	93.6	95.7	96.5	98.6	99.3	99.3
≥ 300	53.9	80.1	84.4	87.2	90.8	92.9	93.6	95.7	96.5	98.6	99.3	99.3
≥ 200	53.9	80.1	84.4	87.2	90.8	92.9	93.6	95.7	96.5	98.6	99.3	99.3
≥ 100	53.9	80.1	84.4	87.2	90.8	92.9	93.6	95.7	96.5	98.6	99.3	99.3
≥ 0	53.9	80.1	84.4	87.2	90.8	92.9	93.6	95.7	96.5	98.6	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

141

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	37.6	41.1	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 20000	41.1	46.1	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 18000	41.1	46.1	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 16000	41.1	46.1	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 14000	41.5	46.8	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 12000	44.7	49.7	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 10000	45.4	50.4	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 9000	45.4	50.4	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 8000	48.9	54.6	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 7000	49.7	56.0	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 6000	49.7	57.5	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 5000	50.4	58.2	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 4500	51.8	61.7	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 4000	52.5	63.8	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 3500	52.5	63.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 3000	56.7	68.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 2500	56.7	70.2	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 2000	57.5	75.9	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1800	58.9	78.7	82.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1500	58.9	79.4	83.7	84.4	86.5	86.5	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 1200	58.9	80.1	85.8	86.5	88.7	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1000	58.9	81.6	88.7	90.8	93.6	93.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 900	58.9	81.6	88.7	90.8	93.6	93.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 800	58.9	81.6	88.7	90.8	93.6	93.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 700	58.9	81.6	88.7	90.8	93.6	93.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 600	58.9	81.6	88.7	90.8	93.6	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 500	59.6	82.3	89.4	92.2	95.0	95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 400	59.6	82.3	89.4	92.2	95.0	95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 300	59.6	82.3	89.4	92.2	95.0	95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 200	59.6	82.3	89.4	92.2	95.0	95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 100	59.6	82.3	89.4	92.2	95.0	95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7
0	59.6	82.3	89.4	92.2	95.0	95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	33.0	39.6	40.3	41.1	41.3	41.5	41.6	41.8	41.8	41.8	41.8	41.9
≥ 20000	36.2	44.2	45.0	45.9	46.3	46.5	46.7	46.8	46.8	46.8	46.8	46.9
≥ 18000	36.2	44.2	45.0	45.9	46.3	46.5	46.7	46.8	46.8	46.8	46.8	46.9
≥ 16000	36.2	44.2	45.0	45.9	46.3	46.5	46.7	46.8	46.8	46.8	46.8	46.9
≥ 14000	36.5	44.6	45.6	46.5	46.8	47.0	47.3	47.3	47.3	47.3	47.3	47.4
≥ 12000	38.5	47.1	47.9	48.8	49.1	49.3	49.6	49.7	49.7	49.7	49.7	49.7
≥ 10000	40.3	49.9	51.0	51.9	52.2	52.4	52.7	52.8	52.8	52.8	52.8	52.8
≥ 9000	40.5	50.2	51.2	52.1	52.5	52.7	52.9	53.0	53.0	53.0	53.1	53.1
≥ 8000	42.7	53.6	54.9	55.8	56.1	56.4	56.7	56.7	56.7	56.7	56.8	56.8
≥ 7000	43.3	54.4	55.8	56.7	57.1	57.4	57.6	57.7	57.7	57.7	57.8	57.8
≥ 6000	43.5	54.9	56.3	57.2	57.6	57.9	58.2	58.2	58.2	58.2	58.3	58.3
≥ 5000	44.7	56.7	58.2	59.1	59.7	59.9	60.2	60.3	60.3	60.3	60.4	60.4
≥ 4500	45.0	57.6	59.2	60.1	60.6	61.0	61.3	61.4	61.4	61.4	61.4	61.4
≥ 4000	45.3	58.8	60.6	61.5	62.2	62.5	62.8	62.9	62.9	62.9	62.9	62.9
≥ 3500	46.3	60.6	62.5	63.6	64.3	64.6	64.9	65.1	65.1	65.1	65.2	65.2
≥ 3000	48.1	63.6	65.7	66.9	67.9	68.4	68.6	68.9	68.9	68.9	69.0	69.0
≥ 2500	49.4	67.0	69.6	70.9	71.9	72.3	72.6	72.9	72.9	72.9	73.0	73.0
≥ 2000	50.8	70.5	73.7	75.3	76.8	77.5	77.8	78.2	78.3	78.3	78.4	78.4
≥ 1800	51.8	72.0	75.4	77.0	78.7	79.4	79.8	80.1	80.2	80.2	80.3	80.3
≥ 1500	52.9	74.7	78.6	80.5	82.6	83.4	84.0	84.7	84.8	84.8	84.9	84.9
≥ 1200	52.9	75.8	80.2	82.5	84.7	85.5	86.3	87.1	87.2	87.3	87.4	87.5
≥ 1000	53.2	76.8	81.8	84.8	87.9	88.8	89.8	90.6	90.7	91.0	91.1	91.1
≥ 900	53.2	77.0	82.1	85.3	88.3	89.4	90.3	91.1	91.2	91.5	91.6	91.8
≥ 800	53.2	77.3	82.5	85.7	89.0	90.4	91.6	92.6	92.6	93.2	93.4	93.5
≥ 700	53.2	77.5	82.6	86.2	89.5	91.1	92.6	93.8	93.9	94.5	94.7	94.9
≥ 600	53.2	77.6	82.8	86.4	89.8	91.5	93.2	94.3	94.5	95.3	95.5	95.7
≥ 500	53.3	77.7	83.0	86.8	90.2	91.9	93.8	95.1	95.4	96.4	96.7	97.0
≥ 400	53.3	77.8	83.2	87.1	90.5	92.3	94.5	95.8	96.1	97.3	97.7	98.0
≥ 300	53.3	77.8	83.2	87.1	90.5	92.3	94.6	95.9	96.2	97.6	98.1	98.5
≥ 200	53.3	77.8	83.2	87.1	90.5	92.3	94.6	95.9	96.2	97.8	98.4	99.3
≥ 100	53.3	77.8	83.2	87.1	90.5	92.3	94.6	95.9	96.2	97.8	98.4	99.6
≥ 0	53.3	77.8	83.2	87.1	90.5	92.3	94.6	95.9	96.2	97.8	98.5	99.7

TOTAL NUMBER OF OBSERVATIONS

1128

CEILING VERSUS VISIBILITY

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEAR

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	37.4	40.0	40.0	40.0	40.0	40.0	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 20000	43.2	46.5	46.5	46.5	46.5	46.5	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 18000	43.2	46.5	46.5	46.5	46.5	46.5	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 16000	43.2	46.5	46.5	46.5	46.5	46.5	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 14000	43.2	46.5	46.5	46.5	46.5	46.5	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 12000	43.2	47.7	47.7	47.7	47.7	47.7	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 10000	43.9	48.4	48.4	48.4	48.4	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 9000	43.9	48.4	48.4	48.4	48.4	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 8000	47.7	52.3	52.3	52.3	52.3	52.3	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 7000	48.4	52.9	52.9	52.9	52.9	52.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 6000	48.4	52.9	52.9	52.9	52.9	52.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 5000	49.0	54.8	54.8	54.8	54.8	54.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 4500	49.7	56.1	56.1	56.1	56.1	56.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 4000	51.6	58.7	58.7	58.7	58.7	58.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 3500	53.6	61.3	61.3	61.3	61.3	61.3	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 3000	54.2	63.2	63.2	63.2	63.2	63.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 2500	54.8	67.1	67.1	67.1	67.1	67.1	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 2000	56.8	72.3	72.3	72.3	72.3	72.3	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 1800	56.8	72.3	72.3	72.3	72.3	72.3	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 1500	58.1	76.8	76.8	76.8	76.8	76.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1200	58.1	77.4	77.4	77.4	77.4	77.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1000	58.1	77.4	77.4	77.4	77.4	77.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 900	58.1	77.4	77.4	77.4	77.4	77.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 800	58.1	77.4	77.4	77.4	77.4	77.4	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 700	58.1	77.4	77.4	77.4	77.4	77.4	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 600	58.7	78.1	78.1	78.1	78.1	78.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 500	58.7	78.1	78.1	78.1	78.1	78.1	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 400	58.7	78.1	78.1	78.1	78.1	78.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 300	58.7	78.1	78.1	78.1	78.1	78.1	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 200	58.7	78.1	78.1	78.1	78.1	78.1	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 100	58.7	78.1	78.1	78.1	78.1	78.1	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 0	58.7	78.1	78.1	78.1	78.1	78.1	91.6	91.6	91.6	91.6	91.6	91.6	91.6

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

03
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	32.9	36.8	36.8	36.8	37.4	37.4	37.4	37.4	37.4	38.1	38.1	38.1	38.1
≥ 20000	33.6	38.7	38.7	38.7	39.4	39.4	39.4	39.4	39.4	40.0	40.0	40.0	40.0
≥ 18000	33.6	38.7	38.7	38.7	39.4	39.4	39.4	39.4	39.4	40.0	40.0	40.0	40.0
≥ 16000	33.6	38.7	38.7	38.7	39.4	39.4	39.4	39.4	39.4	40.0	40.0	40.0	40.0
≥ 14000	33.6	38.7	38.7	38.7	39.4	39.4	39.4	39.4	39.4	40.0	40.0	40.0	40.0
≥ 12000	35.5	40.7	40.7	40.7	41.3	41.3	41.3	41.3	41.3	41.9	41.9	41.9	41.9
≥ 10000	39.4	45.8	45.8	45.8	46.5	46.5	46.5	46.5	46.5	47.1	47.1	47.1	47.1
≥ 9000	39.4	45.8	45.8	45.8	46.5	46.5	46.5	46.5	46.5	47.1	47.1	47.1	47.1
≥ 8000	44.5	51.6	51.6	52.3	52.9	52.9	52.9	52.9	52.9	53.6	53.6	53.6	53.6
≥ 7000	45.8	52.9	52.9	53.6	54.2	54.2	54.2	54.2	54.2	54.8	54.8	54.8	54.8
≥ 6000	46.5	53.6	53.6	54.2	54.8	54.8	54.8	54.8	54.8	55.5	55.5	55.5	55.5
≥ 5000	47.1	54.2	54.2	55.5	56.1	56.1	56.1	56.1	56.1	56.8	56.8	56.8	56.8
≥ 4500	47.1	54.2	54.2	55.5	56.1	56.1	56.1	56.1	56.1	56.8	56.8	56.8	56.8
≥ 4000	48.4	55.5	55.5	57.4	58.1	58.1	58.1	58.1	58.1	58.7	58.7	58.7	58.7
≥ 3500	49.7	58.7	59.4	60.7	61.3	61.3	61.3	61.3	61.3	61.9	61.9	61.9	61.9
≥ 3000	52.3	61.9	62.6	63.2	66.5	66.5	66.5	66.5	66.5	67.1	67.1	67.1	67.1
≥ 2500	52.9	63.9	65.2	67.7	69.7	69.7	69.7	69.7	69.7	70.3	71.0	71.0	71.0
≥ 2000	56.8	68.4	69.7	72.9	74.8	74.8	74.8	75.5	75.5	76.1	76.8	76.8	76.8
≥ 1800	58.1	70.3	71.6	74.8	76.8	76.8	77.4	77.4	77.4	78.1	78.7	78.7	78.7
≥ 1500	58.1	71.6	72.9	76.1	78.7	78.7	79.4	79.4	79.4	80.0	80.7	80.7	80.7
≥ 1200	58.7	74.2	76.1	79.4	81.9	81.9	82.6	82.6	82.6	83.2	83.9	83.9	83.9
≥ 1000	58.7	75.5	78.1	81.3	83.9	84.5	85.2	85.2	85.2	85.8	86.5	86.5	86.5
≥ 900	58.7	75.5	78.1	81.3	83.9	84.5	85.2	85.2	85.2	85.8	86.5	86.5	86.5
≥ 800	58.7	75.5	78.1	81.3	83.9	84.5	85.2	85.2	85.2	85.8	86.5	86.5	86.5
≥ 700	58.7	75.5	78.1	81.3	83.9	84.5	85.2	85.2	85.2	85.8	86.5	86.5	86.5
≥ 600	58.7	75.5	78.1	81.3	83.9	84.5	85.2	85.2	85.2	85.8	86.5	86.5	86.5
≥ 500	58.7	75.5	78.1	81.3	83.9	84.5	85.2	85.2	85.2	85.8	86.5	86.5	86.5
≥ 400	58.7	75.5	78.1	81.3	83.9	84.5	85.2	85.2	85.2	85.8	86.5	86.5	86.5
≥ 300	58.7	75.5	78.1	81.3	83.9	84.5	85.2	85.2	85.2	85.8	86.5	86.5	86.5
≥ 200	58.7	75.5	78.1	81.3	83.9	84.5	85.2	85.2	85.2	85.8	86.5	86.5	86.5
≥ 100	58.7	75.5	78.1	81.3	83.9	84.5	85.2	85.2	85.2	85.8	86.5	86.5	86.5
≥ 0	58.7	75.5	78.1	81.3	83.9	84.5	85.2	85.2	85.2	85.8	86.5	86.5	86.5

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

14855
STATIONGLENVIEW, ILLINOIS
STATION NAME73-77
YEARSMAR
MONTH06
HOURS (LST)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	28.4	35.5	38.1	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 20000	30.3	38.7	41.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 18000	30.3	38.7	41.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 16000	30.3	38.7	41.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 14000	31.0	39.4	42.6	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 12000	31.0	39.4	42.6	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 10000	31.6	40.7	43.9	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 9000	32.3	41.3	44.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 8000	34.2	44.5	47.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 7000	35.5	46.5	50.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 6000	35.5	46.5	51.0	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 5000	36.1	47.1	51.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 4500	36.8	48.4	52.9	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 4000	38.1	50.3	54.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 3500	39.4	51.6	56.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 3000	44.5	56.8	62.6	64.5	65.2	65.2	65.2	67.1	67.1	67.1	67.1	67.1	67.1
≥ 2500	45.8	59.4	65.8	67.7	68.4	68.4	69.7	71.0	71.0	71.6	71.6	71.6	71.6
≥ 2000	48.4	63.9	71.0	72.9	73.6	73.6	74.8	76.1	76.1	76.8	76.8	76.8	76.8
≥ 1800	49.0	64.5	71.6	73.6	74.2	74.2	75.5	76.8	76.8	77.4	77.4	77.4	77.4
≥ 1500	49.7	65.2	72.3	74.2	75.5	76.1	77.4	78.7	78.7	79.4	79.4	79.4	79.4
≥ 1200	50.3	65.8	72.9	74.8	76.1	76.8	78.1	79.4	80.0	80.7	80.7	80.7	80.7
≥ 1000	50.3	67.1	74.8	77.4	80.0	80.7	81.9	83.2	84.5	85.2	85.2	85.2	85.2
≥ 900	50.3	67.7	76.1	78.7	81.3	81.9	83.2	84.5	85.8	86.5	86.5	86.5	86.5
≥ 800	50.3	68.4	76.8	79.4	81.9	82.6	83.9	85.2	86.5	87.7	87.7	87.7	87.7
≥ 700	50.3	69.0	77.4	80.0	82.6	83.2	84.5	85.8	87.1	88.4	88.4	88.4	88.4
≥ 600	50.3	69.0	77.4	80.0	83.2	83.9	85.2	86.5	87.7	89.0	89.0	89.0	89.0
≥ 500	50.3	69.0	77.4	80.0	83.2	83.9	85.8	87.1	88.4	90.3	90.3	90.3	90.3
≥ 400	50.3	69.0	77.4	80.0	83.2	83.9	85.8	87.7	89.0	91.6	92.3	92.3	92.3
≥ 300	50.3	69.0	77.4	80.0	83.9	84.5	86.5	88.4	89.7	92.9	94.2	94.2	94.2
≥ 200	50.3	69.0	77.4	80.0	83.9	84.5	86.5	88.4	89.7	92.9	94.2	94.2	94.2
≥ 100	50.3	69.0	77.4	80.0	83.9	84.5	86.5	88.4	89.7	93.6	94.8	94.8	94.8
≥ 0	50.3	69.0	77.4	80.0	83.9	84.5	86.5	88.4	89.7	93.6	94.8	94.8	94.8

TOTAL NUMBER OF OBSERVATIONS

135

AD-A062 042

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS), GLENVIE--ETC(U)
JUL 78

F/G 4/2

UNCLASSIFIED

NL

3 OF 4
ADA
062042

A large grid of 14 columns and 8 rows of small, dark rectangular markers, likely representing data points or observations. The markers are arranged in a regular pattern across the page.

12

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

09
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	28.4	36.1	39.4	40.0	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 20000	29.7	40.0	43.2	44.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 18000	29.7	40.0	43.2	44.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 16000	29.7	40.0	43.2	44.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 14000	29.7	40.0	43.2	44.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 12000	30.3	40.7	43.9	45.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 10000	32.3	43.2	46.5	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 9000	32.3	43.2	46.5	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 8000	35.5	47.1	51.6	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 7000	38.7	51.0	55.5	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 6000	38.7	51.0	55.5	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 5000	40.0	52.3	57.4	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 4500	40.7	52.9	58.1	60.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 4000	40.7	52.9	58.1	60.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 3500	41.3	53.6	58.7	60.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 3000	43.2	55.5	60.7	62.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 2500	45.8	59.4	64.5	66.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 2000	47.1	61.9	67.7	69.7	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 1800	48.4	64.5	70.3	72.3	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 1500	50.3	67.1	72.9	74.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 1200	50.3	67.7	73.6	76.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1000	51.0	69.0	76.1	78.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 900	51.0	69.0	76.1	79.4	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 800	51.0	69.7	76.8	80.0	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 700	51.0	71.6	78.7	82.6	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 600	51.0	71.6	78.7	82.6	87.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 500	51.0	72.9	80.0	83.9	88.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 400	51.0	72.9	80.0	83.9	88.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 300	51.0	72.9	80.0	83.9	88.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 200	51.0	72.9	80.0	83.9	88.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 100	51.0	72.9	80.0	83.9	88.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 0	51.0	72.9	80.0	83.9	88.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855
STATIONGLENVIEW, ILLINOIS
STATION NAME73-77
YEARSMAR
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)12
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	34.2	39.4	41.3	41.9	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 20000	38.1	47.7	49.7	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 18000	38.1	47.7	49.7	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 16000	38.1	47.7	49.7	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 14000	38.1	47.7	49.7	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 12000	39.4	49.7	51.6	52.3	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 10000	40.7	51.0	52.9	53.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 9000	40.7	51.0	52.9	53.6	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 8000	40.7	52.3	54.2	54.8	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 7000	40.7	52.3	54.2	54.8	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 6000	41.9	53.6	55.5	56.1	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 5000	41.9	53.6	55.5	56.1	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 4500	42.6	54.2	56.8	57.4	58.7	59.4	59.4	60.0	60.0	60.0	60.0	60.0	60.0
≥ 4000	43.2	55.5	58.1	58.7	60.0	60.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3
≥ 3500	43.9	56.1	58.7	59.4	60.7	61.3	61.3	61.9	61.9	61.9	61.9	61.9	61.9
≥ 3000	45.8	58.1	60.7	61.9	63.9	64.5	65.2	65.8	65.8	65.8	65.8	65.8	65.8
≥ 2500	51.6	65.2	68.4	69.7	71.6	72.9	73.6	74.2	74.2	74.2	74.2	74.2	74.2
≥ 2000	53.6	69.0	72.3	73.6	75.5	76.8	77.4	78.1	78.1	78.1	78.1	78.1	78.1
≥ 1800	53.6	70.3	73.6	74.8	76.8	78.1	78.7	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1500	54.2	74.2	78.7	80.0	82.6	83.9	84.5	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1200	54.2	76.1	80.7	81.9	84.5	85.8	86.5	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1000	54.2	76.8	81.3	82.6	85.2	86.5	87.1	87.7	87.7	87.7	87.7	87.7	87.7
≥ 900	54.2	77.4	81.9	83.2	85.8	87.1	87.7	88.4	88.4	88.4	88.4	88.4	88.4
≥ 800	54.2	77.4	81.9	83.2	85.8	87.1	87.7	88.4	88.4	88.4	88.4	88.4	88.4
≥ 700	54.2	77.4	81.9	83.2	85.8	87.1	87.7	88.4	88.4	88.4	88.4	88.4	88.4
≥ 600	54.2	78.1	82.6	83.9	86.5	87.7	90.3	91.6	91.6	92.3	92.3	92.3	92.3
≥ 500	54.2	78.7	83.2	84.5	87.1	88.4	91.6	92.9	92.9	93.6	93.6	93.6	93.6
≥ 400	54.2	78.7	83.2	84.5	87.1	88.4	91.6	92.9	92.9	93.6	93.6	93.6	93.6
≥ 300	54.2	78.7	83.2	84.5	87.1	88.4	91.6	92.9	92.9	93.6	93.6	93.6	93.6
≥ 200	54.2	78.7	83.2	84.5	87.1	88.4	91.6	92.9	92.9	93.6	93.6	93.6	93.6
≥ 100	54.2	78.7	83.2	84.5	87.1	88.4	91.6	92.9	92.9	93.6	93.6	93.6	93.6
≥ 0	54.2	78.7	83.2	84.5	87.1	88.4	91.6	92.9	92.9	93.6	93.6	93.6	93.6

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855

GLENVIEW, ILLINOIS

73-77

YEARS

MAR

STATION NAME

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING	33.6	36.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 20000	37.4	42.6	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 18000	37.4	42.6	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 16000	37.4	42.6	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 14000	37.4	43.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 12000	38.1	43.9	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 10000	39.4	45.2	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 9000	39.4	45.8	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 8000	39.4	47.1	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 7000	39.4	47.1	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 6000	40.0	49.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 5000	40.7	51.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 4500	41.9	52.9	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 4000	43.2	54.2	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 3500	44.5	55.5	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 3000	49.7	62.6	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 2500	53.6	67.7	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 2000	55.5	71.0	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 1800	55.5	72.3	76.8	77.4	77.4	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 1500	56.1	75.5	80.0	80.7	80.7	81.3	82.6	82.6	82.6	83.2	83.2	83.2	83.2
≥ 1200	56.1	76.1	81.3	81.9	81.9	83.2	84.5	84.5	84.5	85.2	85.2	85.2	85.2
≥ 1000	56.8	77.4	82.6	83.2	83.2	84.5	85.8	87.1	87.1	87.7	87.7	87.7	87.7
≥ 900	56.8	77.4	83.2	83.9	83.9	85.2	86.5	87.7	87.7	88.4	88.4	88.4	88.4
≥ 800	56.8	77.4	83.2	83.9	83.9	85.2	86.5	87.7	87.7	88.4	88.4	88.4	88.4
≥ 700	56.8	77.4	83.2	83.9	83.9	85.2	86.5	87.7	87.7	88.4	88.4	88.4	88.4
≥ 600	56.8	77.4	83.2	83.9	83.9	85.2	86.5	87.7	87.7	88.4	88.4	88.4	88.4
≥ 500	56.8	77.4	83.9	84.5	84.5	85.8	87.7	90.3	90.3	90.3	90.3	90.3	90.3
≥ 400	56.8	77.4	83.9	84.5	84.5	85.8	87.7	90.3	90.3	90.3	90.3	90.3	90.3
≥ 300	56.8	77.4	83.9	84.5	84.5	85.8	87.7	90.3	90.3	90.3	90.3	90.3	90.3
≥ 200	56.8	77.4	83.9	84.5	84.5	85.8	87.7	90.3	90.3	90.3	90.3	90.3	90.3
≥ 100	56.8	77.4	83.9	84.5	84.5	85.8	87.7	90.3	90.3	90.3	90.3	90.3	90.3
≥ 0	56.8	77.4	83.9	84.5	84.5	85.8	87.7	90.3	90.3	90.3	90.3	90.3	90.3

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

14855
STATIONGLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

MAR
MONTH18
HOURS (L.S.T.)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	36.1	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 20000	40.7	44.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 18000	40.7	44.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 16000	40.7	44.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 14000	40.7	44.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 12000	41.3	45.8	46.5	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 10000	44.5	50.3	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 9000	44.5	50.3	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 8000	45.2	51.0	51.6	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 7000	47.1	52.9	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 6000	48.4	54.2	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 5000	49.7	56.1	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 4500	50.3	58.1	59.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 4000	51.6	60.7	62.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 3500	53.6	62.6	65.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 3000	55.1	66.5	69.7	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 2500	57.4	69.0	72.9	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 2000	58.1	71.0	74.8	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 1800	58.1	71.6	75.5	76.8	77.4	77.4	77.4	77.4	77.4	78.1	78.1	78.1	78.1
≥ 1500	59.4	72.9	76.8	78.1	79.4	80.0	80.7	80.7	80.7	81.3	81.9	81.9	81.9
≥ 1200	59.4	73.6	77.4	79.4	81.3	81.9	82.6	82.6	82.6	83.2	83.9	83.9	83.9
≥ 1000	59.4	74.2	78.1	80.0	82.6	83.2	83.9	83.9	83.9	84.5	85.2	85.2	85.2
≥ 900	60.0	74.8	78.7	80.7	83.2	83.9	84.5	84.5	84.5	85.2	85.8	85.8	85.8
≥ 800	60.0	74.8	79.4	81.3	83.9	84.5	85.2	85.2	85.2	86.5	87.1	87.1	87.1
≥ 700	60.0	75.5	80.0	81.9	84.5	85.2	86.5	86.5	86.5	87.7	88.4	89.0	89.0
≥ 600	60.0	75.5	80.0	81.9	84.5	85.2	86.5	86.5	86.5	87.7	88.4	89.0	89.0
≥ 500	60.0	75.5	80.7	82.6	85.2	85.8	87.1	88.4	88.4	91.6	92.3	92.9	92.9
≥ 400	60.0	75.5	80.7	82.6	85.2	85.8	87.7	89.7	89.7	93.6	94.2	96.1	96.1
≥ 300	60.0	75.5	80.7	82.6	85.2	85.8	87.7	89.7	90.3	94.2	94.8	96.8	96.8
≥ 200	60.0	75.5	80.7	82.6	85.2	85.8	87.7	89.7	90.3	94.8	95.5	97.4	98.1
≥ 100	60.0	75.5	80.7	82.6	85.2	85.8	87.7	89.7	90.3	94.8	95.5	97.4	98.1
≥ 0	60.0	75.5	80.7	82.6	85.2	85.8	87.7	89.7	90.3	94.8	95.5	97.4	98.1

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14955
STATION

GLENVIEW, ILLINOIS
STATION NAME

72-77

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	36.1	40.0	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 20000	42.6	44.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 18000	42.6	44.5	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 16000	42.6	44.5	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 14000	42.6	44.5	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 12000	42.6	44.5	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 10000	45.2	47.1	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 9000	45.8	47.7	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 8000	47.7	51.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 7000	48.4	52.3	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 6000	48.4	52.3	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 5000	50.3	54.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 4500	51.6	56.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 4000	54.2	58.7	60.7	60.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3
≥ 3500	56.1	61.3	63.2	63.2	63.2	63.9	63.9	63.9	63.9	63.9	63.9
≥ 3000	56.8	63.9	65.8	65.8	65.8	66.5	66.5	66.5	66.5	66.5	66.5
≥ 2500	57.4	67.1	69.0	69.7	70.3	71.0	71.0	71.0	71.0	71.0	71.0
≥ 2000	60.0	69.7	71.6	72.3	72.9	73.6	73.6	73.6	73.6	74.2	74.2
≥ 1800	60.0	69.7	71.6	72.3	72.9	73.6	73.6	73.6	73.6	74.2	74.2
≥ 1500	60.7	71.6	75.5	76.1	76.8	78.1	78.7	79.4	80.0	80.0	80.0
≥ 1200	60.7	72.3	76.8	77.4	78.1	80.0	80.7	81.3	81.9	81.9	81.9
≥ 1000	61.3	72.9	78.1	78.7	79.4	81.9	83.9	84.5	85.2	85.2	85.2
≥ 900	61.3	72.9	78.7	79.4	80.0	82.6	84.5	85.2	85.8	85.8	85.8
≥ 800	61.3	73.6	80.0	80.7	81.3	83.9	85.8	87.1	87.7	89.0	89.0
≥ 700	61.3	74.2	80.7	81.3	81.9	84.5	86.5	88.4	89.0	90.3	90.3
≥ 600	61.3	74.8	81.3	81.9	82.6	85.2	87.1	89.0	89.7	91.0	91.0
≥ 500	61.3	74.8	81.9	82.6	83.2	85.8	87.7	89.7	90.3	91.6	91.6
≥ 400	61.3	74.8	81.9	82.6	83.2	85.8	87.7	90.3	91.0	93.6	93.6
≥ 300	61.3	74.8	81.9	82.6	83.2	85.8	88.4	91.6	92.3	94.8	95.5
≥ 200	61.3	74.8	81.9	82.6	83.9	86.5	89.0	92.3	92.9	95.5	96.1
≥ 100	61.3	74.8	81.9	82.6	84.5	87.1	89.7	93.6	94.2	96.8	99.4
≥ 0	61.3	74.8	81.9	82.6	84.5	87.1	89.7	93.6	94.2	96.8	99.4

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

14855
STATION

GLENVIEW, ILLINOIS

73-77

STATION NAME

YEARS

MAR

MONTH

ALL

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼
NO CEILING	33.9	38.2	39.4	39.6	40.0	40.0	40.1	40.1	40.1	40.2	40.2	40.2	40.2
≥ 20000	36.9	42.9	44.4	44.8	45.1	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.3
≥ 18000	36.9	42.9	44.4	44.9	45.2	45.2	45.2	45.2	45.2	45.3	45.3	45.3	45.4
≥ 16000	36.9	42.9	44.4	44.9	45.2	45.2	45.2	45.2	45.2	45.3	45.3	45.3	45.4
≥ 14000	37.0	43.1	44.6	45.2	45.4	45.4	45.5	45.5	45.5	45.6	45.6	45.6	45.7
≥ 12000	37.7	44.0	45.6	46.1	46.5	46.5	46.5	46.5	46.5	46.6	46.6	46.6	46.7
≥ 10000	39.6	46.5	48.0	48.6	49.0	49.0	49.0	49.0	49.0	49.1	49.1	49.1	49.2
≥ 9000	39.8	46.7	48.2	48.9	49.2	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.5
≥ 8000	41.9	49.7	51.5	52.2	52.5	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.9
≥ 7000	43.0	51.0	52.8	53.6	53.9	54.0	54.0	54.0	54.0	54.1	54.1	54.1	54.3
≥ 6000	43.5	51.6	53.6	54.3	54.6	54.7	54.8	54.8	54.8	54.8	54.8	54.8	55.0
≥ 5000	44.4	53.1	55.2	55.9	56.2	56.3	56.4	56.4	56.4	56.5	56.5	56.5	56.6
≥ 4500	45.1	54.1	56.5	57.3	57.7	57.8	57.9	57.9	57.9	58.0	58.0	58.0	58.2
≥ 4000	46.4	55.8	58.3	59.2	59.6	59.8	59.9	59.9	59.9	60.0	60.0	60.0	60.2
≥ 3500	47.7	57.6	60.2	61.1	61.5	61.7	61.8	61.9	61.9	61.9	61.9	61.9	62.1
≥ 3000	50.3	61.1	64.0	65.2	65.9	66.1	66.3	66.5	66.5	66.7	66.8	66.8	66.9
≥ 2500	52.4	64.8	68.2	69.5	70.4	70.7	71.1	71.4	71.4	71.6	71.7	71.8	71.9
≥ 2000	54.5	68.4	72.2	73.6	74.7	74.9	75.5	75.8	75.8	76.1	76.2	76.3	76.5
≥ 1800	54.9	69.4	73.2	74.7	75.7	76.0	76.5	76.9	76.9	77.2	77.3	77.4	77.6
≥ 1500	55.8	71.9	76.1	77.5	79.0	79.6	80.4	80.7	80.7	81.1	81.5	81.5	81.7
≥ 1200	56.0	72.9	77.3	79.0	80.5	81.3	82.1	82.4	82.5	82.9	83.2	83.3	83.5
≥ 1000	56.2	73.8	78.6	80.3	82.3	83.2	84.2	84.5	84.7	85.1	85.4	85.5	85.7
≥ 900	56.3	74.0	79.1	80.9	83.0	84.0	85.0	85.3	85.5	86.0	86.3	86.4	86.5
≥ 800	56.3	74.3	79.5	81.4	83.6	84.7	86.1	86.5	86.7	87.3	87.8	88.0	88.2
≥ 700	56.3	74.8	80.2	82.1	84.4	85.5	87.0	87.7	87.8	88.6	89.1	89.4	89.6
≥ 600	56.4	75.1	80.4	82.3	84.8	86.1	87.8	88.6	88.8	89.5	90.1	90.5	90.7
≥ 500	56.4	75.3	81.0	82.9	85.6	86.9	88.9	89.8	90.0	91.1	91.9	92.3	92.7
≥ 400	56.4	75.3	81.1	83.0	85.7	86.9	89.2	90.4	90.7	91.9	92.9	93.7	94.2
≥ 300	56.4	75.3	81.1	83.1	85.9	87.2	89.6	91.0	91.3	93.1	94.2	95.2	95.9
≥ 200	56.4	75.3	81.1	83.1	86.0	87.3	89.8	91.1	91.5	93.4	94.7	95.8	97.3
≥ 100	56.4	75.3	81.1	83.1	86.1	87.3	89.8	91.3	91.7	93.7	95.0	96.4	98.6
0	56.4	75.3	81.1	83.1	86.1	87.3	89.8	91.3	91.7	93.7	95.0	96.4	98.6

TOTAL NUMBER OF OBSERVATIONS

1240

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855
STATION

GLENNVIEW, ILLINOIS
STATION NAME

73-77

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	40.7	46.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 20000	44.0	50.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 18000	44.0	50.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 16000	44.0	50.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 14000	44.0	50.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 12000	44.7	51.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 10000	48.7	55.3	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 9000	48.7	55.3	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 8000	54.7	64.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 7000	55.3	65.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 6000	56.7	67.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 5000	58.7	69.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 4500	59.3	70.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 4000	62.0	74.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 3500	62.7	77.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3000	65.3	80.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 2500	66.0	80.7	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 2000	66.7	81.3	84.0	84.7	84.7	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1800	67.3	82.0	84.7	85.3	85.3	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 1500	70.0	87.3	90.0	90.7	90.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1200	70.0	87.3	90.0	91.3	91.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1000	71.3	89.3	92.7	94.0	94.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 900	71.3	89.3	92.7	94.0	94.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 800	71.3	90.0	93.3	94.0	95.3	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700	71.3	90.7	94.0	95.3	96.0	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 600	71.3	91.3	94.7	96.0	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 500	71.3	91.3	94.7	96.0	96.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	71.3	91.3	95.3	96.7	97.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	71.3	91.3	95.3	96.7	97.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	71.3	91.3	95.3	96.7	97.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	71.3	91.3	95.3	96.7	97.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	71.3	91.3	95.3	96.7	97.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

03
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	39.3	44.0	46.0	46.0	46.0	46.0	46.7	46.7	46.7	46.7	46.7	46.7
≥ 20000	42.0	46.7	49.3	50.0	50.0	50.0	50.7	50.7	50.7	50.7	50.7	50.7
≥ 18000	42.0	46.7	49.3	50.0	50.0	50.0	50.7	50.7	50.7	50.7	50.7	50.7
≥ 16000	42.0	46.7	49.3	50.0	50.0	50.0	50.7	50.7	50.7	50.7	50.7	50.7
≥ 14000	42.0	46.7	49.3	50.0	50.0	50.0	50.7	50.7	50.7	50.7	50.7	50.7
≥ 12000	42.7	47.3	50.0	50.7	50.7	50.7	51.3	51.3	51.3	51.3	51.3	51.3
≥ 10000	46.0	52.7	55.3	56.0	56.0	56.0	56.7	56.7	56.7	56.7	56.7	56.7
≥ 9000	46.7	53.3	56.0	56.7	56.7	56.7	57.3	57.3	57.3	57.3	57.3	57.3
≥ 8000	52.7	60.0	62.7	63.3	63.3	63.3	64.0	64.0	64.0	64.0	64.0	64.0
≥ 7000	52.7	61.3	64.0	64.7	64.7	64.7	65.3	65.3	65.3	65.3	65.3	65.3
≥ 6000	53.3	62.0	64.7	65.3	65.3	65.3	66.0	66.0	66.0	66.0	66.0	66.0
≥ 5000	54.0	64.7	67.3	68.0	68.0	68.0	68.7	68.7	68.7	68.7	68.7	68.7
≥ 4500	56.0	66.7	70.0	70.7	70.7	70.7	71.3	71.3	71.3	71.3	71.3	71.3
≥ 4000	56.7	67.3	72.0	72.7	73.3	73.3	74.0	74.0	74.0	74.0	74.0	74.0
≥ 3500	58.0	70.0	74.7	75.3	76.0	76.0	76.7	76.7	76.7	76.7	76.7	76.7
≥ 3000	58.7	71.3	76.0	76.7	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0
≥ 2500	59.3	72.7	77.3	78.0	78.7	78.7	79.3	79.3	79.3	79.3	79.3	79.3
≥ 2000	62.7	76.7	81.3	82.0	82.7	82.7	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1800	63.3	77.3	82.0	82.7	83.3	83.3	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1500	64.7	82.0	88.0	88.7	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1200	64.7	83.3	89.3	90.0	90.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1000	65.3	84.0	90.0	90.7	91.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0
≥ 900	65.3	84.7	90.7	91.3	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3
≥ 800	65.3	85.3	91.3	92.0	93.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0
≥ 700	66.0	86.7	92.7	93.3	94.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3
≥ 600	66.0	86.7	94.0	94.7	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7
≥ 500	66.0	86.7	94.0	94.7	96.0	96.0	97.3	97.3	97.3	97.3	97.3	97.3
≥ 400	66.0	86.7	94.0	94.7	96.0	96.7	98.0	98.0	98.0	98.0	98.0	98.0
≥ 300	66.0	86.7	94.0	94.7	96.0	96.7	98.0	98.0	98.0	98.0	98.0	98.0
≥ 200	66.0	86.7	94.0	94.7	96.0	96.7	98.0	98.0	98.0	98.0	98.0	98.0
≥ 100	66.0	86.7	94.0	94.7	96.0	96.7	98.0	98.0	98.0	98.0	98.0	98.0
0	66.0	86.7	94.0	94.7	96.0	96.7	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

127545423

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

06
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	36.7	44.0	45.3	46.0	47.3	48.0	48.0	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 20000	38.7	49.3	50.7	51.3	52.7	53.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 18000	38.7	49.3	50.7	51.3	52.7	53.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 16000	38.7	49.3	50.7	51.3	52.7	53.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 14000	39.3	50.0	51.3	52.0	53.3	54.0	54.0	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 12000	39.3	50.0	51.3	52.0	53.3	54.0	54.0	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 10000	44.7	55.3	57.3	58.0	59.3	60.0	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 9000	44.7	55.3	57.3	58.0	59.3	60.0	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 8000	49.3	60.0	62.0	63.3	64.7	65.3	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 7000	50.7	62.7	64.7	66.0	67.3	68.0	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 6000	50.7	63.3	65.3	66.7	68.0	68.7	68.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 5000	51.3	64.0	66.0	67.3	68.7	69.3	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 4500	52.0	65.3	68.0	69.3	70.7	71.3	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 4000	52.7	66.7	69.3	71.3	72.7	73.3	73.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 3500	52.7	66.7	69.3	71.3	72.7	73.3	73.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 3000	52.7	66.7	70.0	72.0	74.0	74.7	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 2500	54.7	68.7	73.3	76.0	78.7	79.3	80.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2000	55.3	70.0	74.7	77.3	80.0	80.7	82.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1800	55.3	70.0	74.7	77.3	80.0	80.7	82.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1500	57.3	74.0	79.3	82.0	84.7	85.3	87.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1200	57.3	74.7	80.0	83.3	86.0	86.7	88.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1000	58.0	76.0	81.3	85.3	88.0	88.7	90.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3
≥ 900	58.0	76.7	82.0	86.0	89.3	90.0	92.0	94.0	94.7	95.3	95.3	95.3	95.3	95.3
≥ 800	58.0	76.7	82.7	86.7	90.0	90.7	92.7	94.7	95.3	96.0	96.0	96.0	96.0	96.0
≥ 700	58.0	76.7	82.7	86.7	90.7	91.3	93.3	95.3	96.0	96.7	97.3	97.3	97.3	97.3
≥ 600	58.0	76.7	82.7	86.7	90.7	91.3	93.3	95.3	96.0	96.7	97.3	97.3	97.3	97.3
≥ 500	58.0	76.7	83.3	87.3	91.3	92.0	94.0	96.0	96.7	97.3	98.0	98.0	98.0	98.0
≥ 400	58.0	76.7	83.3	87.3	91.3	92.0	94.0	96.0	96.7	97.3	98.0	98.0	98.0	98.0
≥ 300	58.0	76.7	83.3	87.3	91.3	92.0	94.0	96.0	96.7	97.3	98.0	98.0	98.0	98.0
≥ 200	58.0	76.7	83.3	87.3	91.3	92.0	94.0	96.0	96.7	97.3	98.0	98.0	98.0	98.0
≥ 100	58.0	76.7	83.3	87.3	91.3	92.0	94.0	96.0	96.7	97.3	98.0	98.0	98.0	98.0
0	58.0	76.7	83.3	87.3	91.3	92.0	94.0	96.0	96.7	97.3	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

14855
STATIONGLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

APR
MONTH09
HOURS (L.S.T.)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	40.0	46.0	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 20000	44.0	50.7	52.0	52.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 18000	44.0	50.7	52.0	52.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 16000	44.0	50.7	52.0	52.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 14000	44.7	51.3	52.7	52.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 12000	45.3	52.0	53.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 10000	48.0	56.0	57.3	57.3	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 9000	48.0	56.0	57.3	57.3	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 8000	50.7	60.7	62.0	62.0	63.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 7000	52.0	64.0	66.0	66.0	67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 6000	52.0	64.0	66.0	66.0	67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 5000	52.0	64.7	66.7	66.7	68.0	68.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 4500	52.7	66.0	68.0	68.0	70.0	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 4000	52.7	66.0	68.7	68.7	70.7	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 3500	52.7	66.0	68.7	68.7	70.7	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 3000	55.3	69.3	72.7	72.7	74.7	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 2500	56.7	70.7	74.0	74.7	76.7	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 2000	61.3	75.3	78.7	79.3	81.3	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 1800	62.7	76.7	80.0	80.7	82.7	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1500	64.0	80.0	84.0	85.3	87.3	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1200	64.7	81.3	86.0	87.3	89.3	90.7	91.3	91.3	91.3	92.0	92.0	92.0	92.0
≥ 1000	64.7	81.3	86.7	88.0	90.7	92.0	92.7	92.7	92.7	93.3	93.3	93.3	93.3
≥ 900	64.7	81.3	87.3	88.7	91.3	92.7	93.3	94.0	94.0	94.7	94.7	94.7	94.7
≥ 800	64.7	81.3	87.3	89.3	92.0	93.3	94.0	94.7	94.7	95.3	95.3	95.3	95.3
≥ 700	65.3	82.0	88.7	90.7	93.3	94.7	96.0	96.7	96.7	97.3	97.3	97.3	97.3
≥ 600	65.3	82.0	88.7	90.7	93.3	94.7	96.0	96.7	96.7	97.3	97.3	97.3	97.3
≥ 500	65.3	82.0	88.7	90.7	93.3	94.7	96.7	97.3	97.3	98.7	99.3	99.3	99.3
≥ 400	65.3	82.0	88.7	90.7	93.3	94.7	96.7	97.3	97.3	98.7	99.3	99.3	99.3
≥ 300	65.3	82.0	88.7	90.7	93.3	94.7	96.7	97.3	97.3	98.7	99.3	99.3	99.3
≥ 200	65.3	82.0	88.7	90.7	93.3	95.3	97.3	98.0	98.0	99.3	100.0	100.0	100.0
≥ 100	65.3	82.0	88.7	90.7	93.3	95.3	97.3	98.0	98.0	99.3	100.0	100.0	100.0
0	65.3	82.0	88.7	90.7	93.3	95.3	97.3	98.0	98.0	99.3	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	40.0	45.3	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 20000	45.3	51.3	52.7	52.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 18000	45.3	51.3	52.7	52.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 16000	45.3	51.3	52.7	52.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 14000	45.3	51.3	52.7	52.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 12000	45.3	51.3	52.7	52.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 10000	46.0	53.3	55.3	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 9000	46.0	53.3	55.3	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 8000	51.3	58.7	60.7	61.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 7000	52.0	59.3	61.3	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 6000	52.7	60.7	62.7	63.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 5000	54.0	64.0	66.0	66.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 4500	56.0	66.7	69.3	70.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 4000	56.7	68.0	70.7	71.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 3500	57.3	70.0	72.7	73.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 3000	61.3	74.0	76.7	77.3	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 2500	65.3	78.7	81.3	82.0	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 2000	68.0	81.3	84.7	86.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1800	70.0	83.3	86.7	88.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1500	70.7	85.3	88.7	91.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1200	70.7	86.0	89.3	92.0	94.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1000	70.7	86.0	89.3	92.0	94.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 900	70.7	86.0	89.3	92.0	94.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 800	70.7	86.7	90.0	92.7	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 700	70.7	86.7	90.0	92.7	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 600	71.3	87.3	90.7	93.3	96.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	71.3	88.0	91.3	94.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	71.3	88.0	91.3	94.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	71.3	88.0	91.3	94.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	71.3	88.0	91.3	94.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	71.3	88.0	91.3	94.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	71.3	88.0	91.3	94.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	38.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 20000	44.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 18000	44.7	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 16000	44.7	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 14000	45.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 12000	45.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 10000	48.0	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 9000	48.0	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 8000	49.3	58.7	58.7	59.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 7000	50.0	59.3	59.3	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 6000	50.7	60.0	60.0	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 5000	53.3	64.0	64.0	65.3	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 4500	54.7	66.7	67.3	68.7	70.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 4000	58.0	68.0	68.7	70.0	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 3500	58.0	70.7	71.3	72.7	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 3000	61.3	74.0	75.3	76.7	78.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 2500	62.7	76.7	78.0	79.3	80.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 2000	66.7	82.7	84.0	85.3	86.7	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1800	67.3	83.3	84.7	86.0	87.3	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1500	67.3	84.7	86.0	87.3	89.3	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1200	67.3	85.3	86.7	88.7	90.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1000	68.7	87.3	89.3	91.3	93.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 900	68.7	87.3	89.3	91.3	93.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 800	68.7	87.3	89.3	92.0	94.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700	68.7	87.3	89.3	92.0	94.0	96.0	97.3	97.3	97.3	98.0	98.0	98.0	98.0
≥ 600	68.7	87.3	89.3	92.0	94.0	96.0	97.3	97.3	97.3	98.0	98.0	98.0	98.0
≥ 500	68.7	87.3	89.3	92.0	94.0	96.0	97.3	97.3	97.3	98.0	98.0	98.0	98.0
≥ 400	68.7	87.3	89.3	92.0	94.7	96.7	98.0	98.0	98.0	98.7	98.7	98.7	98.7
≥ 300	68.7	87.3	89.3	92.0	94.7	96.7	98.0	98.0	98.0	98.7	98.7	98.7	98.7
≥ 200	68.7	87.3	89.3	92.0	94.7	96.7	98.0	98.0	98.0	98.7	98.7	98.7	98.7
≥ 100	68.7	87.3	89.3	92.0	94.7	96.7	98.0	98.0	98.0	98.7	98.7	98.7	98.7
0	68.7	87.3	89.3	92.0	94.7	96.7	98.0	98.0	98.0	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	40.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 20000	47.3	53.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 18000	47.3	53.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 16000	47.3	53.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 14000	47.3	53.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 12000	47.3	53.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 10000	49.3	55.3	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 9000	50.0	56.7	56.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 8000	55.3	65.3	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 7000	55.3	66.0	66.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 6000	55.3	66.0	66.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 5000	59.3	70.7	71.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 4500	61.3	73.3	74.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 4000	62.0	74.0	74.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 3500	62.7	74.7	75.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 3000	64.7	78.0	80.0	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 2500	66.7	81.3	83.3	86.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 2000	67.3	82.0	84.0	86.7	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1800	67.3	82.0	84.0	86.7	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1500	68.0	84.0	86.0	88.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1200	69.3	86.7	89.3	92.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1000	69.3	86.7	89.3	92.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 900	69.3	86.7	89.3	92.7	94.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 800	69.3	87.3	90.0	93.3	95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700	69.3	88.0	90.7	94.0	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 600	69.3	88.0	90.7	94.0	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 500	69.3	88.0	90.7	94.0	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400	69.3	88.0	90.7	94.0	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 300	69.3	88.0	90.7	94.0	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 200	69.3	88.0	90.7	94.0	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 100	69.3	88.0	90.7	94.0	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 0	69.3	88.0	90.7	94.0	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	46.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 20000	50.0	57.3	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 18000	50.0	57.3	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 16000	50.0	57.3	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 14000	50.7	58.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 12000	50.7	58.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 10000	52.0	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 9000	52.0	61.3	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 8000	56.7	67.3	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 7000	57.3	68.7	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 6000	58.7	70.0	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 5000	60.7	74.0	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 4500	62.7	76.0	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 4000	65.3	80.7	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 3500	66.0	82.7	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 3000	67.3	84.0	85.3	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 2500	68.7	86.7	88.0	89.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 2000	68.7	87.3	88.7	90.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1800	68.7	87.3	88.7	90.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1500	69.3	88.7	90.0	91.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1200	70.0	90.0	92.0	93.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1000	70.0	90.0	92.0	93.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 900	70.0	90.0	92.0	94.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 800	70.0	90.7	92.7	94.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700	70.0	91.3	93.3	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 600	70.0	91.3	94.0	96.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 500	70.0	91.3	94.0	96.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400	70.0	91.3	94.7	96.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	70.0	91.3	94.7	96.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	70.0	91.3	94.7	96.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	70.0	91.3	94.7	96.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 0	70.0	91.3	94.7	96.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	40.2	46.0	46.9	47.0	47.2	47.3	47.3	47.4	47.4	47.4	47.4	47.4
≥ 20000	44.4	51.3	52.4	52.7	53.0	53.1	53.2	53.3	53.3	53.3	53.3	53.3
≥ 18000	44.5	51.3	52.5	52.8	53.1	53.2	53.3	53.3	53.3	53.3	53.3	53.3
≥ 16000	44.5	51.3	52.5	52.8	53.1	53.2	53.3	53.3	53.3	53.3	53.3	53.3
≥ 14000	44.8	51.7	52.8	53.1	53.4	53.5	53.6	53.7	53.7	53.7	53.7	53.7
≥ 12000	45.1	52.1	53.3	53.5	53.8	53.9	54.0	54.1	54.1	54.1	54.1	54.1
≥ 10000	47.8	55.5	56.9	57.2	57.5	57.6	57.7	57.8	57.8	57.8	57.8	57.8
≥ 9000	48.0	55.8	57.3	57.6	57.9	58.0	58.1	58.2	58.2	58.2	58.2	58.2
≥ 8000	52.5	61.9	63.4	64.0	64.5	64.7	64.8	64.8	64.8	64.8	64.8	64.8
≥ 7000	53.2	63.3	64.9	65.6	66.1	66.3	66.3	66.4	66.4	66.4	66.4	66.4
≥ 6000	53.8	64.2	65.8	66.6	67.1	67.3	67.3	67.4	67.4	67.4	67.4	67.4
≥ 5000	55.4	66.9	68.6	69.5	70.2	70.4	70.6	70.7	70.7	70.7	70.7	70.7
≥ 4500	56.8	68.9	70.9	71.8	72.6	72.8	73.0	73.1	73.1	73.1	73.1	73.1
≥ 4000	58.0	70.6	72.8	73.8	74.7	74.9	75.1	75.2	75.2	75.2	75.2	75.2
≥ 3500	58.8	72.3	74.5	75.5	76.3	76.6	76.8	76.8	76.8	76.8	76.8	76.8
≥ 3000	60.8	74.7	77.3	78.4	79.5	79.9	80.2	80.3	80.3	80.3	80.3	80.3
≥ 2500	62.5	77.0	79.8	81.2	82.5	82.9	83.2	83.3	83.3	83.3	83.3	83.3
≥ 2000	64.6	79.6	82.5	84.0	85.5	86.0	86.5	86.7	86.7	86.7	86.7	86.7
≥ 1800	65.3	80.3	83.2	84.7	86.2	86.7	87.2	87.3	87.3	87.3	87.3	87.3
≥ 1500	66.4	83.3	86.5	88.2	89.8	90.3	90.9	91.1	91.1	91.1	91.1	91.1
≥ 1200	66.8	84.3	87.8	89.8	91.4	92.2	92.8	93.0	93.1	93.2	93.2	93.2
≥ 1000	67.3	85.1	88.8	90.9	92.7	93.4	94.0	94.3	94.4	94.4	94.4	94.4
≥ 900	67.3	85.3	89.1	91.3	93.3	94.2	94.8	95.1	95.2	95.3	95.3	95.3
≥ 800	67.3	85.7	89.6	91.9	94.1	95.0	95.6	95.9	96.0	96.2	96.2	96.2
≥ 700	67.4	86.2	90.2	92.5	94.8	95.7	96.4	96.8	97.1	97.2	97.2	97.2
≥ 600	67.5	86.3	90.6	92.9	95.2	96.1	96.9	97.3	97.6	97.8	97.8	97.8
≥ 500	67.5	86.4	90.8	93.1	95.4	96.3	97.5	97.8	98.3	98.5	98.6	98.6
≥ 400	67.5	86.4	90.9	93.3	95.7	96.7	97.8	98.2	98.3	98.6	98.9	98.9
≥ 300	67.5	86.4	90.9	93.3	95.7	96.8	97.9	98.3	98.3	98.7	99.0	99.3
≥ 200	67.5	86.4	90.9	93.3	95.7	96.8	97.9	98.3	98.3	98.7	99.0	99.3
≥ 100	67.5	86.4	90.9	93.3	95.7	96.8	97.9	98.3	98.3	98.7	99.0	99.3
≥ 0	67.5	86.4	90.9	93.3	95.7	96.8	97.9	98.3	98.3	98.7	99.0	99.3

1200

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

TEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	47.1	58.1	58.7	58.7	58.7	58.7	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 20000	47.7	58.7	60.0	60.0	60.0	60.0	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 18000	47.7	58.7	60.0	60.0	60.0	60.0	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 16000	47.7	58.7	60.0	60.0	60.0	60.0	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 14000	47.7	59.4	60.7	60.7	60.7	60.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 12000	48.4	60.0	61.3	61.3	61.3	61.3	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 10000	54.2	65.8	67.1	67.7	67.7	67.7	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 9000	54.8	66.5	67.7	68.4	68.4	68.4	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 8000	58.7	72.3	74.2	74.8	74.8	74.8	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 7000	60.7	74.8	76.8	77.4	77.4	77.4	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 6000	60.7	74.8	76.8	77.4	77.4	77.4	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 5000	61.3	76.1	78.1	78.7	78.7	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 4500	61.3	76.1	78.1	78.7	78.7	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 4000	63.2	78.1	80.0	80.7	81.3	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 3500	63.9	80.7	82.6	83.2	83.9	83.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 3000	63.9	80.7	83.2	83.9	84.5	84.5	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 2500	64.5	81.3	83.9	84.5	85.2	85.2	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 2000	65.2	82.6	85.8	86.5	87.1	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1800	65.2	83.2	86.5	87.1	87.7	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1500	65.8	83.9	87.1	88.4	89.0	89.0	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1200	65.8	84.5	87.7	89.0	89.7	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1000	65.8	84.5	87.7	89.0	89.7	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 900	65.8	84.5	87.7	89.0	89.7	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 800	65.8	84.5	87.7	89.0	89.7	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 700	65.8	84.5	87.7	89.0	89.7	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 600	65.8	84.5	87.7	89.0	89.7	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 500	65.8	84.5	87.7	89.0	89.7	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 400	65.8	84.5	87.7	89.0	89.7	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 300	65.8	84.5	87.7	89.0	89.7	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 200	65.8	84.5	87.7	89.0	89.7	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 100	65.8	84.5	87.7	89.0	89.7	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3
0	65.8	84.5	87.7	89.0	89.7	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14855
STATIONGLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

MAY
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)03
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	41.9	47.7	49.0	52.3	52.9	52.9	53.6	53.6	53.6	53.6	53.6	53.6
≥ 20000	43.9	51.6	52.9	56.1	56.8	56.8	57.4	57.4	57.4	57.4	57.4	57.4
≥ 18000	43.9	51.6	52.9	56.1	56.8	56.8	57.4	57.4	57.4	57.4	57.4	57.4
≥ 16000	43.9	51.6	52.9	56.1	56.8	56.8	57.4	57.4	57.4	57.4	57.4	57.4
≥ 14000	43.9	51.6	52.9	56.1	56.8	56.8	57.4	57.4	57.4	57.4	57.4	57.4
≥ 12000	43.9	51.6	52.9	56.1	56.8	56.8	57.4	57.4	57.4	57.4	57.4	57.4
≥ 10000	47.1	56.1	58.1	61.3	61.9	61.9	62.6	62.6	62.6	62.6	62.6	62.6
≥ 9000	47.7	57.4	59.4	62.6	63.2	63.2	63.9	63.9	63.9	63.9	63.9	63.9
≥ 8000	51.6	62.6	65.2	68.4	69.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7
≥ 7000	53.6	64.5	67.1	70.3	71.0	71.0	71.6	71.6	71.6	71.6	71.6	71.6
≥ 6000	54.2	65.2	67.7	71.0	71.6	71.6	72.3	72.3	72.3	72.3	72.3	72.3
≥ 5000	56.8	68.4	71.6	74.8	75.5	75.5	76.1	76.1	76.1	76.1	76.1	76.1
≥ 4500	57.4	69.7	73.6	76.8	77.4	77.4	78.1	78.1	78.1	78.1	78.1	78.1
≥ 4000	57.4	70.3	74.2	76.1	77.4	77.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3500	58.7	73.6	78.1	81.6	82.6	82.6	83.2	83.2	83.2	83.2	83.2	83.2
≥ 3000	58.7	74.8	80.0	83.9	84.5	84.5	85.2	85.2	85.2	85.2	85.2	85.2
≥ 2500	59.4	76.1	81.3	85.2	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7
≥ 2000	59.4	76.1	82.6	86.5	89.0	89.0	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1800	60.0	76.8	83.2	87.1	89.7	89.7	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1500	60.0	77.4	83.9	87.7	90.3	90.3	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1200	60.7	78.1	84.5	88.4	91.6	91.6	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1000	60.7	78.1	85.2	89.0	92.3	92.3	93.6	93.6	93.6	93.6	93.6	93.6
≥ 900	60.7	78.1	85.2	89.0	92.3	92.3	93.6	93.6	93.6	93.6	93.6	93.6
≥ 800	60.7	78.7	86.5	90.3	93.6	93.6	94.8	94.8	94.8	94.8	94.8	94.8
≥ 700	60.7	78.7	86.5	90.3	93.6	93.6	94.8	94.8	94.8	94.8	94.8	94.8
≥ 600	60.7	78.7	86.5	90.3	93.6	93.6	94.8	94.8	94.8	94.8	94.8	94.8
≥ 500	60.7	78.7	86.5	91.0	94.2	94.2	95.5	95.5	95.5	95.5	95.5	95.5
≥ 400	60.7	78.7	86.5	91.0	94.8	94.8	96.1	96.1	96.1	96.1	96.1	96.1
≥ 300	60.7	78.7	86.5	91.0	94.8	94.8	96.1	96.1	96.1	96.1	96.1	96.1
≥ 200	60.7	78.7	86.5	91.0	94.8	94.8	96.1	96.1	96.1	96.1	96.1	96.1
≥ 100	60.7	78.7	86.5	91.0	94.8	94.8	96.1	96.1	96.1	96.1	96.1	96.1
≥ 0	60.7	78.7	86.5	91.0	94.8	94.8	96.1	96.1	96.1	96.1	96.1	96.1

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

STATION

GLENVIEW, ILLINOIS

73-77

STATION NAME

YEARS

MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

06

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING	37.4	45.2	49.0	51.0	51.0	51.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 20000	38.7	49.0	52.9	54.8	54.8	56.1	58.1	58.1	58.1	58.1	58.1	58.1	58.7
≥ 18000	38.7	49.0	52.9	54.8	54.8	56.1	58.1	58.1	58.1	58.1	58.1	58.1	58.7
≥ 16000	38.7	49.0	52.9	54.8	54.8	56.1	58.1	58.1	58.1	58.1	58.1	58.1	58.7
≥ 14000	38.7	49.0	52.9	54.8	54.8	56.1	58.1	58.1	58.1	58.1	58.1	58.1	58.7
≥ 12000	38.7	50.3	54.2	56.1	56.1	57.4	60.0	60.0	60.0	60.0	60.0	60.0	60.7
≥ 10000	40.7	54.2	58.7	60.7	60.7	61.9	64.5	65.2	65.2	65.2	65.2	65.2	65.8
≥ 9000	41.9	56.1	60.7	62.6	62.6	63.9	66.5	67.1	67.1	67.1	67.1	67.1	67.7
≥ 8000	47.1	61.9	66.5	68.4	68.4	69.7	72.3	72.9	72.9	72.9	72.9	72.9	73.6
≥ 7000	47.7	63.2	67.7	69.7	69.7	71.0	73.6	74.2	74.2	74.2	74.2	74.2	74.8
≥ 6000	47.7	63.2	67.7	70.3	70.3	71.6	74.2	74.8	74.8	74.8	74.8	74.8	75.5
≥ 5000	48.4	64.5	69.0	71.6	71.6	72.9	75.5	76.1	76.1	76.1	76.1	76.8	77.4
≥ 4500	49.0	65.2	69.7	72.3	72.3	73.6	76.1	76.8	76.8	76.8	76.8	77.4	78.1
≥ 4000	49.7	66.5	71.0	73.6	73.6	74.8	77.4	78.1	78.1	78.1	78.1	78.7	79.4
≥ 3500	49.7	67.1	71.6	74.2	74.2	75.5	78.1	78.7	78.7	78.7	78.7	79.4	80.0
≥ 3000	49.7	69.7	74.8	77.4	77.4	78.7	81.3	81.9	81.9	81.9	81.9	82.6	83.2
≥ 2500	50.3	72.3	77.4	81.3	81.3	82.6	85.2	85.8	85.8	85.8	85.8	86.5	87.1
≥ 2000	51.0	72.9	78.1	81.9	81.9	83.2	85.8	86.5	86.5	87.1	87.1	87.7	88.4
≥ 1800	51.6	73.6	78.7	82.6	82.6	83.9	86.5	87.1	87.1	87.7	87.7	88.4	89.0
≥ 1500	52.3	74.8	80.0	83.9	83.9	84.5	86.5	89.0	89.7	89.7	90.3	91.0	91.6
≥ 1200	52.3	74.8	80.0	83.9	83.9	84.5	86.5	89.0	89.7	89.7	90.3	91.0	91.6
≥ 1000	52.3	74.8	80.0	83.9	83.9	84.5	86.5	89.0	89.7	89.7	90.3	91.0	91.6
≥ 900	52.3	74.8	80.0	83.9	83.9	84.5	86.5	89.0	89.7	89.7	90.3	91.0	91.6
≥ 800	52.3	74.8	81.3	85.2	85.2	85.8	87.7	90.3	91.0	91.6	91.6	92.3	92.9
≥ 700	52.3	74.8	81.3	85.2	85.2	86.5	89.0	91.6	91.6	92.3	92.3	92.9	93.6
≥ 600	52.3	74.8	81.3	85.2	85.2	86.5	89.0	91.6	92.3	92.9	92.9	93.6	94.2
≥ 500	52.3	74.8	81.3	85.2	85.2	87.1	89.7	92.3	92.9	94.2	94.2	94.8	95.5
≥ 400	52.3	74.8	81.3	85.2	85.2	87.7	90.3	93.6	93.6	94.8	94.8	95.5	96.1
≥ 300	52.3	74.8	81.3	85.2	85.2	87.7	90.3	93.6	93.6	95.5	95.5	96.1	97.4
≥ 200	52.3	74.8	81.3	85.2	85.2	87.7	90.3	93.6	93.6	95.5	95.5	96.8	98.1
≥ 100	52.3	74.8	81.3	85.2	85.2	87.7	90.3	93.6	93.6	95.5	95.5	96.8	98.1
≥ 0	52.3	74.8	81.3	85.2	85.2	87.7	90.3	93.6	93.6	95.5	95.5	96.8	98.1

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

09
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	36.8	46.5	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 20000	40.7	51.0	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 18000	40.7	51.0	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 16000	40.7	51.0	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 14000	40.7	51.0	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 12000	41.3	52.3	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 10000	43.2	55.5	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 9000	43.9	56.1	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 8000	47.1	59.4	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 7000	48.4	60.7	65.2	66.5	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 6000	48.4	60.7	65.2	66.5	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 5000	48.4	61.3	66.5	67.7	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 4500	48.4	61.3	66.5	67.7	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 4000	51.0	63.9	69.0	70.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 3500	51.6	65.2	70.3	72.9	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 3000	54.2	67.7	72.9	75.5	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 2500	59.4	72.9	78.1	80.7	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 2000	60.7	74.2	79.4	81.9	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1800	60.7	74.2	79.4	81.9	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1500	61.3	76.8	81.9	84.5	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1200	61.9	78.7	83.9	87.1	88.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1000	61.9	79.4	84.5	87.7	89.0	90.3	90.3	90.3	90.3	91.0	91.0	91.0	91.0
≥ 900	61.9	79.4	84.5	87.7	89.0	90.3	90.3	91.6	91.6	92.3	92.3	92.3	92.3
≥ 800	61.9	79.4	84.5	87.7	89.0	90.3	90.3	92.3	92.3	92.9	92.9	92.9	92.9
≥ 700	61.9	79.4	84.5	87.7	91.0	92.9	92.9	92.9	92.9	93.6	93.6	93.6	93.6
≥ 600	61.9	79.4	84.5	87.7	91.0	92.9	92.9	93.6	93.6	94.2	94.2	94.2	94.2
≥ 500	61.9	79.4	84.5	87.7	91.0	93.6	93.6	94.8	94.8	96.1	96.1	96.1	96.1
≥ 400	61.9	79.4	84.5	87.7	91.0	93.6	93.6	94.8	94.8	96.1	96.1	96.8	96.8
≥ 300	61.9	79.4	84.5	87.7	91.0	93.6	93.6	94.8	94.8	96.8	96.8	97.4	97.4
≥ 200	61.9	79.4	84.5	87.7	91.0	93.6	93.6	95.5	95.5	97.4	97.4	100.0	100.0
≥ 100	61.9	79.4	84.5	87.7	91.0	93.6	93.6	95.5	95.5	97.4	97.4	100.0	100.0
0	61.9	79.4	84.5	87.7	91.0	93.6	93.6	95.5	95.5	97.4	97.4	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855
STATIONGLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

MAY
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)12
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	36.1	43.2	43.2	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 20000	40.7	49.0	49.0	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 18000	40.7	49.0	49.0	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 16000	40.7	49.0	49.0	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 14000	40.7	49.0	49.0	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 12000	41.3	49.7	50.3	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 10000	47.1	56.8	58.1	58.7	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 9000	47.1	56.8	58.1	58.7	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 8000	50.3	60.0	61.3	61.9	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 7000	51.0	60.7	61.9	62.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 6000	51.0	60.7	61.9	62.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 5000	51.6	61.3	62.6	63.2	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 4500	52.3	63.9	65.2	65.8	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 4000	54.8	67.1	68.4	69.7	70.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 3500	58.7	72.9	74.2	75.5	76.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3000	61.3	77.4	79.4	80.7	81.3	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2500	63.2	79.4	81.3	82.6	84.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 2000	63.9	80.7	82.6	83.9	85.8	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1800	64.5	81.3	83.2	84.5	86.5	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1500	64.5	81.3	83.2	85.2	87.1	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1200	65.8	82.6	84.5	86.5	88.4	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1000	65.8	82.6	84.5	86.5	89.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 900	65.8	83.2	85.2	87.1	89.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 800	65.8	83.2	85.2	87.1	90.3	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 700	65.8	83.9	85.8	87.7	91.0	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 600	65.8	83.9	85.8	87.7	91.0	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 500	65.8	83.9	86.5	88.4	91.6	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 400	65.8	83.9	86.5	88.4	91.6	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 300	65.8	83.9	86.5	89.0	92.3	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 200	65.8	83.9	86.5	89.0	92.3	96.8	97.4	98.1	98.1	98.1	98.1	98.1	98.1
≥ 100	65.8	83.9	86.5	89.0	92.3	96.8	97.4	98.1	98.1	98.1	98.1	98.1	98.1
≥ 0	65.8	83.9	86.5	89.0	92.3	96.8	97.4	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

7-77

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	35.5	40.7	40.7	40.7	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 20000	41.3	48.4	48.4	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 18000	41.3	48.4	48.4	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 16000	41.3	48.4	48.4	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 14000	41.9	49.0	49.0	49.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 12000	43.2	50.3	51.0	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 10000	47.1	56.1	56.8	56.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 9000	47.1	56.8	57.4	57.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 8000	52.9	63.2	63.9	63.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 7000	52.9	63.2	63.9	63.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 6000	52.9	64.5	64.5	64.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 5000	52.9	64.5	65.8	65.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 4500	54.2	65.8	67.1	67.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 4000	57.4	69.0	71.0	71.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 3500	61.3	74.2	77.4	77.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3000	66.5	80.0	83.2	83.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 2500	67.1	80.7	84.5	84.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 2000	67.1	81.3	85.2	85.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1800	67.1	81.9	85.8	85.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1500	67.1	82.6	86.5	86.5	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1200	67.7	83.9	88.4	88.4	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1000	68.4	85.5	89.7	89.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 900	68.4	86.5	91.0	91.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 800	68.4	86.5	91.0	91.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 700	68.4	86.5	91.0	91.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 600	68.4	86.5	91.6	91.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 500	68.4	86.5	91.6	91.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 400	68.4	86.5	91.6	91.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 300	68.4	86.5	91.6	91.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 200	68.4	86.5	91.6	91.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 100	68.4	86.5	91.6	91.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5
0	68.4	86.5	91.6	91.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

18
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	44.5	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 20000	45.8	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 18000	46.5	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 16000	46.5	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 14000	47.1	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 12000	47.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 10000	48.4	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 9000	49.0	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 8000	50.1	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 7000	56.8	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 6000	58.7	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 5000	62.6	71.0	71.6	71.6	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4500	65.8	74.8	76.1	76.1	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 4000	67.1	77.4	78.7	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3500	68.4	80.0	81.3	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 3000	72.3	83.9	85.2	85.2	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 2500	72.3	83.9	85.2	85.2	85.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 2000	72.3	83.9	86.5	86.5	86.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1800	72.3	83.9	86.5	86.5	86.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1500	72.3	83.9	86.5	86.5	86.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1200	72.3	85.2	87.7	87.7	87.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1000	72.9	85.8	88.4	88.4	88.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 900	72.9	85.8	88.4	88.4	88.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 800	72.9	85.8	88.4	88.4	88.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 700	72.9	85.8	88.4	88.4	88.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 600	72.9	86.5	89.0	89.0	89.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 500	72.9	86.5	89.0	89.0	89.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 400	72.9	86.5	89.0	89.0	89.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 300	72.9	86.5	89.0	89.0	89.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 200	72.9	86.5	89.0	89.0	89.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 100	72.9	86.5	89.0	89.0	89.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 0	72.9	86.5	89.0	89.0	89.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3

TOTAL NUMBER OF OBSERVATIONS

155

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	48.4	53.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 20000	50.3	55.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 18000	50.3	55.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 16000	50.3	55.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 14000	51.0	56.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 12000	51.6	57.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 10000	55.5	61.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 9000	55.5	61.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 8000	57.4	65.2	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 7000	58.1	66.5	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 6000	59.4	67.7	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 5000	59.4	69.7	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4500	61.9	72.9	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 4000	63.9	76.1	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3500	64.5	77.4	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3000	65.8	78.7	80.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 2500	66.5	79.4	81.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2000	66.5	80.0	84.5	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1800	66.5	80.0	84.5	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1500	66.5	80.7	85.2	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1200	67.1	81.3	85.8	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1000	67.1	81.3	86.5	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 900	67.1	81.3	86.5	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 800	67.1	81.3	86.5	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 700	67.1	81.3	86.5	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 600	67.1	81.9	87.1	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 500	67.1	81.9	87.7	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 400	67.1	81.9	87.7	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 300	67.1	81.9	88.4	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 200	67.1	81.9	88.4	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 100	67.1	81.9	88.4	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 0	67.1	81.9	88.4	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION
14855

STATION NAME
GLENVIEW, ILLINOIS

YEARS
73-77

MONTH
MAY
HOURS (LST)
ALL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 0
NO CEILING	41.0	47.7	48.9	49.7	45.0	49.9	50.2	50.3	50.3	50.3	50.3	50.3	50.3
≥ 20000	43.6	51.7	52.9	53.7	54.0	54.1	54.4	54.5	54.5	54.5	54.5	54.5	54.6
≥ 18000	43.7	51.8	53.0	53.8	54.0	54.2	54.5	54.6	54.6	54.6	54.6	54.6	54.7
≥ 16000	43.7	51.8	53.0	53.8	54.0	54.2	54.5	54.6	54.6	54.6	54.6	54.6	54.7
≥ 14000	44.0	52.1	53.3	54.1	54.3	54.5	54.8	54.9	54.9	54.9	54.9	54.9	55.0
≥ 12000	44.5	53.1	54.3	55.3	55.6	55.7	56.1	56.2	56.2	56.2	56.2	56.2	56.3
≥ 10000	47.9	57.7	59.5	60.5	60.8	61.1	61.5	61.6	61.6	61.6	61.6	61.6	61.7
≥ 9000	48.4	58.5	60.3	61.3	61.6	61.9	62.3	62.4	62.4	62.4	62.4	62.4	62.5
≥ 8000	52.7	63.6	65.7	66.7	67.0	67.3	67.7	67.8	67.8	67.8	67.8	67.8	67.9
≥ 7000	53.6	64.8	66.9	68.0	68.3	68.6	69.0	69.2	69.2	69.2	69.2	69.2	69.3
≥ 6000	54.1	65.3	67.5	68.6	69.0	69.3	69.7	69.8	69.8	69.8	69.8	69.8	69.9
≥ 5000	55.2	67.1	69.6	70.7	71.1	71.5	71.9	72.0	72.0	72.0	72.0	72.1	72.2
≥ 4500	56.3	68.7	71.4	72.5	72.8	73.2	73.6	73.8	73.8	73.8	73.8	73.9	74.0
≥ 4000	58.1	71.1	73.8	75.1	75.5	76.0	76.4	76.5	76.5	76.5	76.5	76.7	76.8
≥ 3500	59.6	73.9	76.9	78.3	78.7	79.2	79.6	79.8	79.8	79.8	79.8	79.9	80.0
≥ 3000	61.5	76.6	79.9	81.5	81.9	82.4	82.9	83.1	83.1	83.2	83.2	83.3	83.4
≥ 2500	62.8	78.2	81.7	83.4	84.2	84.8	85.3	85.5	85.5	85.6	85.6	85.7	85.8
≥ 2000	63.2	79.0	83.1	84.8	85.8	86.5	87.0	87.2	87.2	87.3	87.3	87.5	87.6
≥ 1800	63.5	79.4	83.5	85.2	86.2	86.9	87.4	87.6	87.6	87.7	87.7	87.9	88.0
≥ 1500	63.7	80.2	84.3	86.3	87.6	88.3	89.0	89.2	89.2	89.4	89.4	89.5	89.6
≥ 1200	64.2	81.1	85.3	87.4	88.8	89.6	90.3	90.5	90.5	90.7	90.7	90.8	90.9
≥ 1000	64.4	81.5	85.8	87.9	89.4	90.2	91.0	91.1	91.1	91.4	91.5	91.6	91.7
≥ 900	64.4	81.7	86.1	88.2	89.8	90.7	91.5	91.6	91.6	91.9	91.9	92.1	92.2
≥ 800	64.4	81.8	86.4	88.6	90.2	91.2	92.1	92.3	92.3	92.5	92.6	92.7	92.8
≥ 700	64.4	81.9	86.5	88.8	90.7	91.6	92.5	92.7	92.7	92.9	93.0	93.2	93.2
≥ 600	64.4	82.1	86.9	89.1	91.0	92.0	92.9	93.2	93.2	93.4	93.5	93.6	93.7
≥ 500	64.4	82.1	87.1	89.4	91.5	92.9	93.9	94.2	94.2	94.7	94.8	95.0	95.1
≥ 400	64.4	82.1	87.1	89.4	91.8	93.2	94.1	94.4	94.6	95.3	95.6	95.8	96.1
≥ 300	64.4	82.1	87.2	89.6	92.0	93.4	94.4	94.8	95.0	96.1	96.3	96.6	97.2
≥ 200	64.4	82.1	87.2	89.6	92.0	93.5	94.5	95.2	95.3	96.4	96.9	97.7	98.3
≥ 100	64.4	82.1	87.2	89.6	92.0	93.6	94.6	95.2	95.4	96.5	97.0	97.9	98.4
≥ 0	64.4	82.1	87.2	89.6	92.0	93.6	94.6	95.2	95.4	96.5	97.0	97.9	98.4

TOTAL NUMBER OF OBSERVATIONS 1240

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855
STATIONGLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

JUN
MONTH00
HOURS (LST)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	52.0	57.3	60.0	61.3	62.7	62.7	62.7	62.7	63.3	63.3	63.3	63.3	63.3
≥ 20000	55.3	61.3	64.0	66.0	67.3	67.3	67.3	67.3	68.0	68.0	68.0	68.0	68.0
≥ 18000	55.3	61.3	64.0	66.0	67.3	67.3	67.3	67.3	68.0	68.0	68.0	68.0	68.0
≥ 16000	55.3	61.3	64.0	66.0	67.3	67.3	67.3	67.3	68.0	68.0	68.0	68.0	68.0
≥ 14000	55.3	61.3	64.0	66.0	67.3	67.3	67.3	67.3	68.0	68.0	68.0	68.0	68.0
≥ 12000	55.3	61.3	64.0	66.0	67.3	67.3	67.3	67.3	68.0	68.0	68.0	68.0	68.0
≥ 10000	60.0	68.0	70.7	72.7	74.0	74.0	74.0	74.7	75.3	75.3	75.3	75.3	75.3
≥ 9000	60.0	68.0	70.7	72.7	74.0	74.0	74.0	74.7	75.3	75.3	75.3	75.3	75.3
≥ 8000	62.7	72.7	75.3	77.3	78.7	78.7	78.7	79.3	80.0	80.0	80.0	80.0	80.0
≥ 7000	64.7	75.3	78.0	80.0	81.3	81.3	81.3	82.0	82.7	82.7	82.7	82.7	82.7
≥ 6000	64.7	75.3	78.0	80.0	81.3	81.3	81.3	82.0	82.7	82.7	82.7	82.7	82.7
≥ 5000	68.7	80.0	82.7	84.7	86.0	86.0	86.0	86.7	87.3	87.3	87.3	87.3	87.3
≥ 4500	70.0	82.0	84.7	86.7	88.0	88.0	88.0	88.7	89.3	89.3	89.3	89.3	89.3
≥ 4000	70.7	83.3	86.7	88.7	90.0	90.7	90.7	91.3	92.0	92.0	92.0	92.0	92.0
≥ 3500	70.7	84.0	87.3	89.3	90.7	91.3	91.3	92.0	92.7	92.7	92.7	92.7	92.7
≥ 3000	71.3	85.3	89.3	91.3	92.7	93.3	93.3	94.0	94.7	94.7	94.7	94.7	94.7
≥ 2500	71.3	85.3	89.3	91.3	92.7	93.3	93.3	94.0	94.7	94.7	94.7	94.7	94.7
≥ 2000	71.3	86.7	90.7	92.7	94.0	94.7	94.7	95.3	96.0	96.0	96.0	96.0	96.0
≥ 1800	71.3	86.7	90.7	92.7	94.0	94.7	94.7	95.3	96.0	96.0	96.0	96.0	96.0
≥ 1500	72.0	88.0	92.0	94.0	95.3	96.0	96.0	96.7	97.3	97.3	97.3	97.3	97.3
≥ 1200	72.0	88.0	92.0	94.0	95.3	96.0	96.0	96.7	97.3	97.3	97.3	97.3	97.3
≥ 1000	72.0	88.0	92.0	94.0	95.3	96.0	96.0	96.7	97.3	97.3	97.3	97.3	97.3
≥ 900	72.0	88.0	92.0	94.0	95.3	96.0	96.0	96.7	97.3	97.3	97.3	97.3	97.3
≥ 800	72.0	88.0	92.0	94.0	95.3	96.0	96.0	96.7	97.3	97.3	97.3	97.3	97.3
≥ 700	72.0	88.0	92.7	94.7	96.0	96.7	96.7	97.3	98.0	98.0	98.0	98.0	98.0
≥ 600	72.0	88.0	92.7	94.7	96.0	96.7	96.7	97.3	98.0	98.0	98.0	98.0	98.0
≥ 500	72.0	88.0	92.7	94.7	96.0	96.7	96.7	97.3	98.0	98.0	98.0	98.0	98.0
≥ 400	72.0	88.0	92.7	94.7	96.0	96.7	96.7	97.3	98.0	98.0	98.0	98.0	98.0
≥ 300	72.0	88.0	92.7	94.7	96.0	96.7	96.7	97.3	98.0	98.0	98.0	98.0	98.0
≥ 200	72.0	88.0	92.7	94.7	96.0	96.7	96.7	97.3	98.0	98.0	98.0	98.0	98.0
≥ 100	72.0	88.0	92.7	94.7	96.0	96.7	96.7	97.3	98.0	98.0	98.0	98.0	98.0
0	72.0	88.0	92.7	94.7	96.0	96.7	96.7	97.3	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET

SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

JUN
MONTH

03
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	
NO CEILING	52.0	60.0	61.3	62.7	64.0	65.3	65.3	65.3	65.3	66.7	66.7	66.7	66.7	66.7	66.7
≥ 20000	53.3	61.3	62.7	64.0	65.3	66.7	67.3	67.3	67.3	68.7	68.7	68.7	68.7	68.7	68.7
≥ 18000	53.3	61.3	62.7	64.0	65.3	66.7	67.3	67.3	67.3	68.7	68.7	68.7	68.7	68.7	68.7
≥ 16000	53.3	61.3	62.7	64.0	65.3	66.7	67.3	67.3	67.3	68.7	68.7	68.7	68.7	68.7	68.7
≥ 14000	54.0	62.0	63.3	64.7	66.0	67.3	68.0	68.0	68.0	69.3	69.3	69.3	69.3	69.3	69.3
≥ 12000	54.7	62.7	64.0	65.3	66.7	68.0	68.7	68.7	68.7	70.0	70.0	70.0	70.0	70.0	70.0
≥ 10000	56.7	66.0	67.3	68.7	70.0	71.3	72.0	72.0	72.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 9000	56.7	66.0	67.3	68.7	70.0	71.3	72.0	72.0	72.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 8000	60.0	70.0	72.0	73.3	74.7	76.0	76.7	76.7	76.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 7000	60.0	70.7	72.7	74.7	76.0	77.3	78.0	78.0	78.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 6000	60.7	72.0	74.0	76.0	77.3	78.7	79.3	79.3	79.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 5000	63.3	74.7	77.3	79.3	80.7	82.0	82.7	82.7	82.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 4500	64.7	76.0	78.7	80.7	82.0	83.3	84.0	84.0	84.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 4000	65.3	77.3	80.0	82.0	83.3	84.7	85.3	85.3	85.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 3500	66.7	80.0	83.3	85.3	86.7	88.0	88.7	88.7	88.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 3000	68.7	82.0	85.3	87.3	88.7	90.7	91.3	91.3	91.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 2500	68.7	82.7	86.7	88.7	90.0	92.0	92.7	92.7	92.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 2000	68.7	82.7	86.7	89.3	90.7	92.7	93.3	93.3	93.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1800	68.7	82.7	86.7	89.3	90.7	92.7	93.3	93.3	93.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1500	69.3	84.0	88.0	90.7	92.0	94.0	94.7	94.7	94.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1200	69.3	84.0	88.7	91.3	92.7	94.7	95.3	95.3	95.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1000	69.3	84.0	88.7	91.3	92.7	94.7	95.3	95.3	95.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 900	69.3	84.0	88.7	91.3	92.7	94.7	95.3	95.3	95.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 800	69.3	84.0	88.7	91.3	92.7	94.7	95.3	95.3	95.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 700	69.3	84.0	88.7	91.3	92.7	94.7	95.3	95.3	95.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 600	69.3	84.0	88.7	91.3	92.7	94.7	95.3	95.3	95.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 500	69.3	84.0	88.7	91.3	92.7	94.7	95.3	95.3	95.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 400	69.3	84.0	88.7	91.3	92.7	94.7	95.3	95.3	95.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 300	69.3	84.0	88.7	91.3	92.7	94.7	95.3	95.3	95.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 200	69.3	84.0	88.7	91.3	92.7	94.7	95.3	95.3	95.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 100	69.3	84.0	88.7	91.3	92.7	94.7	95.3	95.3	95.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 0	69.3	84.0	88.7	91.3	92.7	94.7	95.3	95.3	95.3	97.3	97.3	97.3	97.3	97.3	97.3

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION

14855 GLENVIEW, ILLINOIS

72-77

YEARS

JUN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

06 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	32.7	46.0	51.3	54.0	54.7	55.3	56.0	56.7	56.7	58.0	58.0	58.0	58.0
≥ 20000	35.3	49.3	54.7	58.0	58.7	59.3	60.0	60.7	60.7	62.0	62.0	62.0	62.0
≥ 18000	35.3	49.3	54.7	58.0	58.7	59.3	60.0	60.7	60.7	62.0	62.0	62.0	62.0
≥ 16000	35.3	49.3	54.7	58.0	58.7	59.3	60.0	60.7	60.7	62.0	62.0	62.0	62.0
≥ 14000	36.0	50.0	55.3	58.7	59.3	60.0	60.7	61.3	61.3	62.7	62.7	62.7	62.7
≥ 12000	36.7	52.0	57.3	60.7	61.3	62.0	62.7	63.3	63.3	64.7	64.7	64.7	64.7
≥ 10000	39.3	54.7	61.3	64.7	65.3	66.7	67.3	68.0	68.0	69.3	69.3	69.3	69.3
≥ 9000	39.3	54.7	61.3	64.7	65.3	66.7	67.3	68.0	68.0	69.3	69.3	69.3	69.3
≥ 8000	43.3	59.3	66.7	70.7	72.7	74.0	75.3	76.0	76.0	77.3	77.3	77.3	77.3
≥ 7000	44.0	60.0	68.0	72.0	74.0	75.3	76.7	77.3	77.3	78.7	79.3	79.3	79.3
≥ 6000	45.3	61.3	69.3	73.3	75.3	76.7	78.0	78.7	78.7	80.0	80.7	80.7	80.7
≥ 5000	45.3	61.3	69.3	73.3	75.3	76.7	78.0	78.7	78.7	80.0	80.7	80.7	80.7
≥ 4500	47.3	63.3	71.3	75.3	78.0	79.3	80.7	81.3	81.3	82.7	83.3	83.3	83.3
≥ 4000	50.0	66.0	74.0	78.0	80.7	82.0	83.3	84.0	84.0	85.3	86.0	86.0	86.0
≥ 3500	50.7	67.3	75.3	79.3	82.0	83.3	84.7	85.3	85.3	86.7	87.3	87.3	87.3
≥ 3000	50.7	67.3	75.3	80.0	82.7	84.0	85.3	86.0	86.0	87.3	88.0	88.0	88.0
≥ 2500	51.3	68.7	76.7	81.3	84.7	86.0	87.3	88.0	88.0	89.3	90.0	90.0	90.0
≥ 2000	52.7	70.0	78.0	82.7	86.0	87.3	88.7	89.3	89.3	90.7	91.3	91.3	91.3
≥ 1800	52.7	70.0	78.0	82.7	86.0	87.3	88.7	89.3	89.3	90.7	91.3	91.3	91.3
≥ 1500	53.3	70.7	79.3	84.0	87.3	88.7	90.0	90.7	90.7	92.0	92.7	92.7	92.7
≥ 1200	53.3	70.7	79.3	84.0	87.3	88.7	90.0	90.7	90.7	92.0	92.7	92.7	92.7
≥ 1000	53.3	71.3	80.0	84.7	89.3	90.7	92.0	92.7	92.7	94.0	94.7	94.7	94.7
≥ 900	53.3	71.3	80.0	84.7	89.3	90.7	92.0	92.7	92.7	94.0	94.7	94.7	94.7
≥ 800	53.3	71.3	80.0	84.7	89.3	90.7	92.0	92.7	92.7	94.0	94.7	94.7	94.7
≥ 700	53.3	71.3	80.7	85.3	90.0	91.3	92.7	93.3	93.3	94.7	95.3	95.3	95.3
≥ 600	53.3	71.3	80.7	85.3	90.0	91.3	92.7	93.3	93.3	94.7	95.3	95.3	95.3
≥ 500	53.3	71.3	80.7	85.3	90.0	91.3	93.3	94.7	94.7	96.7	97.3	98.0	98.0
≥ 400	53.3	71.3	80.7	85.3	90.0	91.3	93.3	94.7	94.7	96.7	97.3	98.0	98.0
≥ 300	53.3	71.3	80.7	85.3	90.0	91.3	94.0	95.3	95.3	97.3	98.0	98.7	98.7
≥ 200	53.3	71.3	80.7	85.3	90.0	91.3	94.0	95.3	95.3	97.3	98.0	98.7	98.7
≥ 100	53.3	71.3	80.7	85.3	90.0	91.3	94.0	95.3	95.3	97.3	98.0	99.3	99.3
≥ 0	53.3	71.3	80.7	85.3	90.0	91.3	94.0	95.3	95.3	97.3	98.0	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

09
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼
NO CEILING	34.0	41.3	46.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 20000	40.0	50.0	56.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 18000	40.0	50.0	56.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 16000	40.0	50.0	56.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 14000	40.0	50.0	56.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 12000	40.0	50.0	56.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 10000	42.7	54.0	60.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 9000	42.7	54.0	60.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 8000	46.7	60.7	67.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 7000	48.0	62.0	68.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 6000	48.0	62.7	69.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 5000	48.7	63.3	70.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 4500	49.3	64.7	71.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 4000	50.7	66.7	73.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 3500	54.0	70.0	77.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 3000	54.7	70.7	78.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2500	56.0	72.7	80.0	83.3	83.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 2000	59.3	76.0	83.3	86.7	86.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1800	59.3	76.7	84.0	87.3	87.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1500	60.7	78.7	86.0	90.0	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1200	61.3	79.3	87.3	91.3	91.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1000	61.3	79.3	87.3	92.0	92.0	94.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3
≥ 900	61.3	79.3	87.3	92.0	92.7	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0
≥ 800	61.3	79.3	87.3	92.0	92.7	95.3	95.3	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700	61.3	80.0	88.0	92.7	93.3	96.0	96.0	97.3	97.3	97.3	97.3	97.3	97.3
≥ 600	61.3	80.0	88.0	92.7	93.3	96.0	96.0	97.3	97.3	98.0	98.0	98.0	98.0
≥ 500	61.3	80.0	88.0	92.7	93.3	96.0	96.0	98.0	98.0	98.7	98.7	98.7	98.7
≥ 400	61.3	80.0	88.0	92.7	94.0	96.7	96.7	98.7	98.7	99.3	99.3	99.3	99.3
≥ 300	61.3	80.0	88.0	92.7	94.0	96.7	96.7	98.7	98.7	99.3	99.3	99.3	99.3
≥ 200	61.3	80.0	88.0	92.7	94.0	96.7	96.7	98.7	98.7	99.3	99.3	99.3	99.3
≥ 100	61.3	80.0	88.0	92.7	94.0	96.7	96.7	98.7	98.7	99.3	99.3	99.3	99.3
0	61.3	80.0	88.0	92.7	94.0	96.7	96.7	98.7	98.7	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

2

12705 06181

6222

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	41.6	44.3	45.6	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 20000	46.3	50.3	52.4	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 18000	46.3	50.3	52.4	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 16000	46.3	50.3	52.4	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 14000	47.0	51.0	53.0	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 12000	47.7	52.4	55.0	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 10000	50.3	55.7	58.4	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 9000	51.0	56.4	59.7	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 8000	53.0	60.4	63.8	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 7000	54.4	62.4	66.4	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 6000	54.4	63.1	67.1	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 5000	56.4	65.1	69.1	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 4500	57.7	66.4	70.5	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 4000	59.7	71.1	77.9	78.5	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 3500	63.1	75.2	81.9	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 3000	66.4	78.5	85.9	86.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 2500	67.1	79.2	87.3	87.9	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2000	69.8	83.2	92.0	92.6	94.0	94.6	94.6	95.3	95.3	95.3	95.3	95.3
≥ 1800	69.8	83.2	92.0	92.6	94.0	94.6	94.6	95.3	95.3	95.3	95.3	95.3
≥ 1500	70.5	85.2	94.0	94.6	96.0	96.6	96.6	97.3	97.3	97.3	97.3	97.3
≥ 1200	70.5	85.2	94.0	94.6	96.0	96.6	96.6	97.3	97.3	97.3	97.3	97.3
≥ 1000	71.1	85.9	94.6	95.3	96.6	97.3	97.3	98.0	98.0	98.0	98.0	98.0
≥ 900	71.1	85.9	94.6	95.3	96.6	97.3	97.3	98.0	98.0	98.0	98.0	98.0
≥ 800	71.1	85.9	94.6	96.0	97.3	98.0	98.0	98.7	98.7	98.7	98.7	98.7
≥ 700	71.1	85.9	94.6	96.0	97.3	98.0	98.0	98.7	98.7	98.7	98.7	98.7
≥ 600	71.1	85.9	94.6	96.0	97.3	98.0	98.0	98.7	98.7	98.7	98.7	98.7
≥ 500	71.1	85.9	94.6	96.0	97.3	98.0	98.0	99.3	99.3	99.3	99.3	99.3
≥ 400	71.1	85.9	94.6	96.0	97.3	98.0	98.0	99.3	99.3	99.3	99.3	99.3
≥ 300	71.1	85.9	94.6	96.0	97.3	98.0	98.0	100.0	100.0	100.0	100.0	100.0
≥ 200	71.1	85.9	94.6	96.0	97.3	98.0	98.0	100.0	100.0	100.0	100.0	100.0
≥ 100	71.1	85.9	94.6	96.0	97.3	98.0	98.0	100.0	100.0	100.0	100.0	100.0
0	71.1	85.9	94.6	96.0	97.3	98.0	98.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

149

DIRNAVOCEANMET

SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15
HOURS (L.S.T.)

CEILING (FEET)		VISIBILITY (STATUTE MILES)														
		≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		40.7	44.7	46.0	46.7	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 20000		45.3	50.0	51.3	52.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 18000		45.3	50.0	51.3	52.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 16000		45.3	50.7	52.0	52.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 14000		45.3	50.7	52.0	52.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 12000		46.0	51.3	52.7	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 10000		51.3	57.3	58.7	59.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 9000		51.3	58.0	59.3	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 8000		52.7	60.7	62.0	62.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 7000		53.3	61.3	62.7	63.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 6000		54.0	62.0	63.3	64.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 5000		55.3	63.3	65.3	66.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 4500		58.7	67.3	69.3	70.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 4000		64.0	74.7	76.7	77.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 3500		65.3	79.3	81.3	82.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 3000		68.7	84.0	86.0	86.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2500		70.7	86.0	88.0	88.7	90.7	91.3	91.3	92.0	92.0	92.0	92.0	92.7	92.7	92.7	92.7
≥ 2000		72.0	87.3	90.0	90.7	93.3	94.0	94.0	94.7	94.7	94.7	94.7	95.3	95.3	95.3	95.3
≥ 1800		72.0	87.3	90.0	90.7	93.3	94.0	94.0	94.7	94.7	94.7	94.7	95.3	95.3	95.3	95.3
≥ 1500		72.0	87.3	90.0	90.7	93.3	94.0	94.0	94.7	94.7	94.7	94.7	95.3	95.3	95.3	95.3
≥ 1200		72.7	88.0	90.7	91.3	94.0	94.7	94.7	96.0	96.0	96.0	96.0	96.7	96.7	96.7	96.7
≥ 1000		72.7	88.0	91.3	92.7	95.3	96.0	96.0	97.3	97.3	97.3	97.3	98.0	98.0	98.0	98.0
≥ 900		72.7	88.0	91.3	92.7	95.3	96.0	96.0	97.3	97.3	97.3	97.3	98.0	98.0	98.0	98.0
≥ 800		72.7	88.0	91.3	92.7	95.3	96.0	96.0	97.3	97.3	97.3	97.3	98.0	98.0	98.0	98.0
≥ 700		72.7	88.7	92.0	94.0	96.7	97.3	97.3	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3
≥ 600		72.7	88.7	92.0	94.0	96.7	97.3	97.3	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3
≥ 500		72.7	88.7	92.0	94.0	96.7	97.3	97.3	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3
≥ 400		72.7	88.7	92.0	94.0	96.7	97.3	97.3	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3
≥ 300		72.7	88.7	92.0	94.0	96.7	97.3	97.3	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3
≥ 200		72.7	88.7	92.0	94.0	96.7	97.3	97.3	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3
≥ 100		72.7	88.7	92.0	94.0	96.7	97.3	97.3	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3
≥ 0		72.7	88.7	92.0	94.0	96.7	97.3	97.3	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855
STATIONGLENVIEW, ILLINOIS
STATION NAME73-77
YEARSJUN
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)18
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	46.7	52.7	53.3	54.0	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 20000	52.0	59.3	60.0	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 18000	52.0	59.3	60.0	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 16000	52.0	59.3	60.0	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 14000	52.7	60.0	60.7	61.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 12000	53.3	60.7	61.3	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 10000	56.7	64.0	65.3	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 9000	56.7	64.0	65.3	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 8000	60.0	70.0	71.3	72.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 7000	62.0	72.0	74.0	74.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 6000	62.7	72.7	74.7	75.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 5000	64.7	74.7	76.7	77.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 4500	64.7	75.3	77.3	78.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4000	68.0	80.0	82.0	82.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 3500	70.7	82.7	84.7	86.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 3000	74.0	86.7	88.7	90.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 2500	74.0	88.0	90.0	92.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 2000	74.0	88.0	90.0	92.0	94.7	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1800	74.0	88.0	90.0	92.7	95.3	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1500	74.0	88.7	90.7	93.3	96.0	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1200	74.0	88.7	90.7	93.3	96.0	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	74.0	88.7	90.7	93.3	96.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	74.0	88.7	90.7	93.3	96.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	74.0	88.7	90.7	93.3	96.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	74.0	88.7	91.3	94.0	96.7	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	74.0	88.7	91.3	94.0	96.7	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	74.0	88.7	91.3	94.0	96.7	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	74.0	88.7	91.3	94.0	96.7	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	74.0	88.7	91.3	94.0	96.7	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	74.0	88.7	91.3	94.0	96.7	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	74.0	88.7	91.3	94.0	96.7	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0
0	74.0	88.7	91.3	94.0	96.7	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

JUN
MONTH

21
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	51.3	57.3	58.0	59.3	60.7	60.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 20000	56.0	62.7	63.3	64.7	66.0	66.7	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 18000	56.0	62.7	63.3	64.7	66.0	66.7	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 16000	56.0	62.7	63.3	64.7	66.0	66.7	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 14000	56.0	62.7	63.3	64.7	66.0	66.7	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 12000	57.3	64.0	64.7	66.0	67.3	68.0	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 10000	59.3	67.3	68.0	69.3	70.7	71.3	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 9000	59.3	67.3	68.0	69.3	70.7	71.3	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 8000	62.0	71.3	72.0	73.3	74.7	75.3	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 7000	64.0	74.7	75.3	76.7	78.0	78.7	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 6000	64.0	74.7	75.3	76.7	78.0	78.7	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 5000	66.7	78.0	79.3	80.7	82.0	82.7	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4500	68.0	80.0	81.3	83.3	84.7	85.3	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 4000	68.7	82.7	84.0	86.0	87.3	88.0	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 3500	68.7	83.3	84.7	86.7	88.0	88.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 3000	68.7	84.7	86.0	88.7	90.0	90.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 2500	68.7	85.3	87.3	90.7	92.0	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 2000	68.7	87.3	90.0	93.3	94.7	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1800	68.7	87.3	90.0	93.3	94.7	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1500	68.7	87.3	90.0	93.3	94.7	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1200	69.3	88.0	90.7	94.0	95.3	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1000	69.3	88.0	90.7	94.0	95.3	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 900	69.3	88.0	90.7	94.0	95.3	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 800	69.3	88.7	91.3	94.7	96.0	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700	69.3	88.7	91.3	94.7	96.0	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	69.3	88.7	91.3	94.7	96.0	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 500	69.3	88.7	91.3	94.7	96.0	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400	69.3	88.7	91.3	94.7	96.0	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 300	69.3	88.7	91.3	94.7	96.0	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 200	69.3	88.7	92.0	95.3	96.7	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	69.3	88.7	92.0	95.3	96.7	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	69.3	88.7	92.0	95.3	96.7	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	43.9	50.5	52.7	54.1	54.8	55.1	55.1	55.3	55.4	55.7	55.7	55.7	55.7
≥ 20000	48.0	55.6	58.1	59.6	60.3	60.6	60.8	61.0	61.1	61.4	61.4	61.4	61.4
≥ 18000	48.0	55.6	58.1	59.6	60.3	60.6	60.8	61.0	61.1	61.4	61.4	61.4	61.4
≥ 16000	48.0	55.6	58.1	59.6	60.4	60.7	60.9	61.1	61.1	61.5	61.5	61.5	61.5
≥ 14000	48.3	56.0	58.5	60.0	60.7	61.1	61.2	61.4	61.5	61.8	61.8	61.8	61.8
≥ 12000	48.9	56.8	59.4	60.9	61.6	62.0	62.1	62.3	62.4	62.7	62.7	62.7	62.7
≥ 10000	52.0	60.9	63.6	65.3	66.1	66.5	66.6	66.9	67.0	67.4	67.4	67.4	67.4
≥ 9000	52.1	61.1	64.1	65.6	66.3	66.7	66.9	67.1	67.2	67.6	67.6	67.6	67.6
≥ 8000	55.1	65.6	68.8	70.4	71.6	72.0	72.2	72.5	72.6	73.0	73.0	73.0	73.0
≥ 7000	56.3	67.3	70.7	72.4	73.6	74.1	74.3	74.6	74.7	75.1	75.2	75.2	75.2
≥ 6000	56.7	68.0	71.4	73.1	74.3	74.7	75.0	75.2	75.3	75.7	75.8	75.8	75.8
≥ 5000	58.6	70.1	73.7	75.4	76.7	77.1	77.3	77.6	77.7	78.1	78.2	78.2	78.2
≥ 4500	60.1	71.9	75.6	77.3	78.7	79.1	79.3	79.6	79.7	80.1	80.2	80.2	80.2
≥ 4000	62.1	75.2	79.3	81.1	82.6	83.1	83.3	83.6	83.7	84.1	84.2	84.2	84.2
≥ 3500	63.7	77.7	82.0	83.9	85.4	85.9	86.2	86.4	86.5	86.9	87.0	87.0	87.0
≥ 3000	65.4	79.9	84.3	86.6	88.2	88.8	89.1	89.3	89.4	89.8	89.9	89.9	89.9
≥ 2500	66.0	81.0	85.7	88.0	89.7	90.5	90.7	91.1	91.2	91.6	91.7	91.7	91.7
≥ 2000	67.1	82.7	87.6	90.0	91.7	92.9	93.2	93.7	93.7	94.2	94.3	94.3	94.3
≥ 1800	67.1	82.7	87.7	90.2	91.9	93.1	93.3	93.8	93.9	94.3	94.4	94.5	94.5
≥ 1500	67.6	83.7	88.7	91.3	93.1	94.3	94.5	95.0	95.1	95.5	95.6	95.7	95.7
≥ 1200	67.8	84.0	89.2	91.7	93.5	94.7	95.0	95.6	95.7	96.1	96.2	96.3	96.3
≥ 1000	67.9	84.2	89.4	92.2	94.1	95.4	95.8	96.5	96.6	97.0	97.1	97.2	97.2
≥ 900	67.9	84.2	89.4	92.2	94.2	95.5	95.9	96.6	96.7	97.1	97.2	97.3	97.3
≥ 800	67.9	84.2	89.5	92.3	94.3	95.7	96.1	96.8	96.9	97.3	97.4	97.5	97.5
≥ 700	67.9	84.4	89.9	92.8	94.8	96.2	96.6	97.3	97.4	97.8	97.9	98.0	98.0
≥ 600	67.9	84.4	89.9	92.8	94.8	96.2	96.6	97.3	97.4	97.9	98.0	98.1	98.1
≥ 500	67.9	84.4	89.9	92.8	94.8	96.2	96.8	97.8	97.8	98.4	98.5	98.7	98.7
≥ 400	67.9	84.4	89.9	92.8	94.8	96.3	96.8	97.9	98.0	98.6	98.7	98.8	98.8
≥ 300	67.9	84.4	89.9	92.8	94.9	96.3	96.9	98.2	98.3	98.9	99.1	99.3	99.3
≥ 200	67.9	84.4	90.0	92.9	95.0	96.3	97.0	98.3	98.3	99.0	99.2	99.4	99.4
≥ 100	67.9	84.4	90.0	92.9	95.0	96.3	97.0	98.3	98.3	99.0	99.2	99.5	99.5
0	67.9	84.4	90.0	92.9	95.0	96.3	97.0	98.3	98.3	99.0	99.2	99.5	99.5

1199

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½
NO CEILING	52.3	61.9	65.8	69.0	70.3	71.0	71.0	71.0	71.6	71.6	71.6
≥ 20000	54.8	67.1	71.6	74.8	76.1	76.8	76.8	76.8	77.4	77.4	77.4
≥ 18000	54.8	67.1	71.6	74.8	76.1	76.8	76.8	76.8	77.4	77.4	77.4
≥ 16000	54.8	67.1	71.6	74.8	76.1	76.8	76.8	76.8	77.4	77.4	77.4
≥ 14000	54.8	67.1	71.6	74.8	76.1	76.8	76.8	76.8	77.4	77.4	77.4
≥ 12000	56.1	69.0	73.6	76.8	78.1	78.7	78.7	78.7	79.4	79.4	79.4
≥ 10000	57.4	72.3	77.4	80.7	82.6	83.2	83.2	83.2	83.9	83.9	83.9
≥ 9000	57.4	72.3	77.4	80.7	82.6	83.2	83.2	83.2	83.9	83.9	83.9
≥ 8000	59.4	78.1	83.2	86.5	88.4	89.0	89.0	89.0	89.7	89.7	89.7
≥ 7000	60.7	80.0	85.2	88.4	90.3	91.0	91.0	91.0	91.6	91.6	91.6
≥ 6000	61.3	80.7	85.8	89.0	91.0	91.6	91.6	91.6	92.3	92.3	92.3
≥ 5000	61.9	81.9	87.1	90.3	92.3	92.9	92.9	92.9	93.6	93.6	93.6
≥ 4500	61.9	81.9	87.1	90.3	92.3	92.9	92.9	92.9	93.6	93.6	93.6
≥ 4000	62.6	82.6	87.7	91.0	93.6	94.2	94.2	94.2	94.8	94.8	94.8
≥ 3500	62.6	83.2	88.4	91.6	94.2	94.8	94.8	94.8	95.5	95.5	95.5
≥ 3000	62.6	83.9	89.7	92.9	95.5	96.1	96.1	96.1	96.8	96.8	96.8
≥ 2500	62.6	84.5	90.3	93.6	96.1	96.8	96.8	96.8	97.4	97.4	97.4
≥ 2000	62.6	84.5	90.3	94.2	96.8	97.4	97.4	97.4	98.1	98.1	98.1
≥ 1800	62.6	84.5	90.3	94.2	96.8	97.4	97.4	97.4	98.1	98.1	98.1
≥ 1500	62.6	84.5	90.3	94.2	96.8	97.4	97.4	97.4	98.1	98.1	98.1
≥ 1200	62.6	84.5	90.3	94.2	96.8	97.4	97.4	97.4	98.1	98.1	98.1
≥ 1000	62.6	84.5	90.3	94.2	96.8	97.4	97.4	97.4	98.1	98.1	98.1
≥ 900	62.6	84.5	90.3	94.2	96.8	97.4	97.4	97.4	98.1	98.1	98.1
≥ 800	62.6	84.5	90.3	94.2	96.8	97.4	97.4	97.4	98.1	98.1	98.1
≥ 700	62.6	84.5	90.3	94.2	96.8	97.4	97.4	97.4	98.1	98.1	98.1
≥ 600	62.6	84.5	90.3	94.2	96.8	97.4	97.4	97.4	98.1	98.1	98.1
≥ 500	62.6	84.5	90.3	94.2	96.8	97.4	97.4	97.4	98.1	98.1	98.1
≥ 400	62.6	84.5	90.3	94.2	96.8	97.4	97.4	97.4	98.1	98.1	98.1
≥ 300	62.6	84.5	90.3	94.2	96.8	97.4	97.4	97.4	98.1	98.1	98.1
≥ 200	62.6	84.5	90.3	94.2	96.8	97.4	97.4	97.4	98.1	98.1	98.1
≥ 100	62.6	84.5	90.3	94.2	96.8	97.4	97.4	97.4	98.1	98.1	98.1
≥ 0	62.6	84.5	90.3	94.2	96.8	97.4	97.4	97.4	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

7-77

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

03
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	45.2	57.4	62.6	66.5	67.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 20000	46.5	59.4	65.2	69.0	70.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 18000	46.5	59.4	65.2	69.0	70.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 16000	46.5	59.4	65.2	69.0	70.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 14000	46.5	59.4	65.2	69.0	70.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 12000	46.5	61.3	67.1	71.0	72.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 10000	47.7	65.8	71.6	75.5	77.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 9000	48.4	66.5	72.3	76.1	78.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 8000	51.0	72.3	78.1	82.6	84.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 7000	51.0	72.9	78.7	83.2	85.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 6000	51.0	73.6	79.4	84.5	86.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 5000	51.6	74.8	80.7	85.8	87.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 4500	52.9	76.1	81.9	87.7	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 4000	52.9	76.1	81.9	87.7	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 3500	54.2	78.1	83.9	89.7	91.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 3000	54.2	79.4	85.2	91.0	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 2500	54.2	79.4	85.2	91.0	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 2000	54.8	80.0	85.8	91.6	94.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1800	54.8	80.0	85.8	91.6	94.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1500	54.8	80.7	86.5	92.3	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1200	54.8	80.7	86.5	92.3	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000	54.8	80.7	86.5	92.3	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 900	54.8	80.7	86.5	92.3	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800	54.8	80.7	86.5	92.3	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 700	54.8	80.7	86.5	92.3	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 600	54.8	80.7	86.5	92.3	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 500	54.8	80.7	86.5	92.3	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 400	54.8	80.7	86.5	92.3	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 300	54.8	80.7	86.5	92.3	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 200	54.8	80.7	86.5	92.3	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 100	54.8	80.7	86.5	92.3	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
0	54.8	80.7	86.5	92.3	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

06
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	38.7	49.7	52.3	54.2	57.4	60.7	60.7	61.9	61.9	61.9	61.9	61.9	61.9
≥ 20000	40.0	52.3	54.8	58.1	61.3	64.5	64.5	65.8	65.8	65.8	65.8	65.8	65.8
≥ 18000	40.0	52.3	54.8	58.1	61.3	64.5	64.5	65.8	65.8	65.8	65.8	65.8	65.8
≥ 16000	40.0	52.3	54.8	58.1	61.3	64.5	64.5	65.8	65.8	65.8	65.8	65.8	65.8
≥ 14000	40.0	52.3	54.8	58.1	61.3	64.5	64.5	65.8	65.8	65.8	65.8	65.8	65.8
≥ 12000	40.0	52.3	56.1	59.4	62.6	66.5	66.5	67.7	67.7	67.7	67.7	67.7	67.7
≥ 10000	43.2	58.7	61.9	67.1	70.3	74.8	74.8	76.1	76.1	76.1	76.1	76.1	76.1
≥ 9000	43.2	58.7	61.9	67.1	70.3	74.8	74.8	76.1	76.1	76.1	76.1	76.1	76.1
≥ 8000	44.5	61.9	65.2	70.3	74.8	79.4	79.4	80.7	80.7	80.7	80.7	80.7	80.7
≥ 7000	44.5	61.9	65.2	70.3	74.8	79.4	79.4	80.7	80.7	80.7	80.7	80.7	80.7
≥ 6000	44.5	62.6	65.8	71.0	75.5	80.0	80.0	81.3	81.3	81.3	81.3	81.3	81.3
≥ 5000	45.2	64.5	67.7	72.9	78.1	82.6	82.6	83.9	83.9	83.9	83.9	83.9	83.9
≥ 4500	45.8	65.8	69.0	74.8	80.0	84.5	84.5	85.8	85.8	85.8	85.8	85.8	85.8
≥ 4000	46.5	67.1	71.0	76.8	81.9	87.1	87.1	88.4	88.4	88.4	88.4	88.4	88.4
≥ 3500	47.1	67.7	71.6	77.4	82.6	87.7	87.7	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3000	47.1	69.7	73.6	79.4	84.5	89.7	89.7	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2500	47.7	71.0	74.8	80.7	85.8	91.0	91.0	92.9	92.9	92.9	92.9	92.9	92.9
≥ 2000	47.7	71.6	75.5	81.3	86.5	91.6	91.6	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1800	47.7	71.6	75.5	81.3	86.5	91.6	91.6	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1500	47.7	72.3	76.8	83.2	88.4	94.2	94.2	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1200	47.7	72.3	76.8	83.9	89.0	94.8	94.8	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1000	47.7	72.3	76.8	83.9	89.0	94.8	94.8	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900	47.7	72.9	77.4	84.5	89.7	95.5	95.5	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800	47.7	72.9	77.4	85.2	90.3	96.1	96.1	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	47.7	72.9	77.4	85.2	90.3	96.1	96.1	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	47.7	72.9	77.4	85.2	90.3	96.1	96.1	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	47.7	72.9	77.4	85.2	90.3	96.1	96.1	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	47.7	72.9	77.4	85.2	90.3	96.1	96.1	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	47.7	72.9	77.4	85.2	90.3	96.1	96.1	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	47.7	72.9	77.4	85.2	90.3	96.1	96.1	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	47.7	72.9	77.4	85.2	90.3	96.1	96.1	98.7	98.7	98.7	98.7	98.7	98.7
0	47.7	72.9	77.4	85.2	90.3	96.1	96.1	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

155

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

72-77

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

09
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	44.5	57.4	60.7	62.6	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 20000	47.1	60.7	64.5	66.5	70.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0
18000	47.1	60.7	64.5	66.5	70.3	70.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0
≥ 16000	47.1	60.7	64.5	66.5	70.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0
14000	47.7	61.3	65.2	67.1	71.0	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 12000	48.4	63.2	67.1	69.0	72.9	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6
10000	49.0	66.5	71.0	74.2	78.1	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 9000	49.7	67.7	72.3	75.5	79.4	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0
8000	51.0	69.0	73.6	76.8	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 7000	51.0	69.7	74.2	77.4	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9
6000	51.0	71.0	75.5	78.7	82.6	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 5000	51.6	72.3	76.8	80.0	83.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5
4500	51.6	72.3	76.8	80.0	83.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 4000	51.6	72.9	77.4	80.7	84.5	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2
3500	52.3	74.2	78.7	81.9	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 3000	52.3	76.1	80.7	83.9	87.7	87.7	89.0	89.7	89.7	89.7	89.7	89.7	89.7
2500	52.9	76.8	81.3	85.2	89.0	89.0	90.3	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2000	53.6	78.1	82.6	86.5	90.3	90.3	91.6	92.3	92.3	92.3	92.3	92.3	92.3
1800	53.6	78.1	82.6	86.5	90.3	90.3	91.6	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1500	53.6	80.0	84.5	89.0	92.9	93.6	94.8	95.5	95.5	95.5	95.5	95.5	95.5
1200	53.6	80.7	85.2	89.7	93.6	94.2	95.5	96.1	96.1	96.1	96.8	96.8	96.8
≥ 1000	53.6	81.3	85.8	90.3	94.2	94.8	96.1	96.8	96.8	96.8	97.4	97.4	97.4
900	53.6	81.3	85.8	90.3	94.8	95.5	96.8	97.4	97.4	97.4	98.1	98.1	98.1
≥ 800	54.2	81.9	87.1	91.6	96.1	96.8	98.1	98.7	98.7	98.7	99.4	99.4	99.4
700	54.2	81.9	87.1	91.6	96.1	96.8	98.1	98.7	98.7	98.7	99.4	99.4	99.4
≥ 600	54.2	81.9	87.1	91.6	96.1	97.4	98.7	99.4	99.4	99.4	100.0	100.0	100.0
500	54.2	81.9	87.1	91.6	96.1	97.4	98.7	99.4	99.4	99.4	100.0	100.0	100.0
≥ 400	54.2	81.9	87.1	91.6	96.1	97.4	98.7	99.4	99.4	99.4	100.0	100.0	100.0
300	54.2	81.9	87.1	91.6	96.1	97.4	98.7	99.4	99.4	99.4	100.0	100.0	100.0
≥ 200	54.2	81.9	87.1	91.6	96.1	97.4	98.7	99.4	99.4	99.4	100.0	100.0	100.0
100	54.2	81.9	87.1	91.6	96.1	97.4	98.7	99.4	99.4	99.4	100.0	100.0	100.0
0	54.2	81.9	87.1	91.6	96.1	97.4	98.7	99.4	99.4	99.4	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855
STATIONGLENVIEW, ILLINOIS
STATION NAME73-77
YEARSJUL
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)12
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	48.4	60.7	61.3	63.2	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 20000	52.9	65.8	66.5	68.4	69.0	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 18000	52.9	65.8	66.5	68.4	69.0	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 16000	52.9	65.8	66.5	68.4	69.0	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 14000	53.6	66.5	67.1	69.0	69.7	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 12000	53.6	67.1	67.7	69.7	70.3	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 10000	55.5	70.3	71.0	72.9	73.6	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 9000	56.1	71.0	71.6	73.6	74.2	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 8000	56.8	71.6	72.3	74.8	75.5	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 7000	57.4	72.9	73.6	76.1	76.8	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 6000	57.4	72.9	73.6	76.1	76.8	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 5000	59.4	74.8	75.5	78.7	80.0	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4500	61.9	77.4	78.1	81.3	82.6	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 4000	62.6	80.0	80.7	83.9	85.2	85.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 3500	63.9	81.3	81.9	85.2	86.5	87.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 3000	66.5	85.8	86.5	89.7	91.0	91.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 2500	67.1	86.5	87.1	91.0	92.3	92.9	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 2000	67.1	87.7	89.0	92.9	94.2	95.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800	67.1	87.7	89.0	92.9	94.2	95.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500	67.1	87.7	89.0	92.9	94.2	95.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1200	67.1	87.7	89.0	92.9	94.2	95.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1000	67.1	88.4	89.7	93.6	94.8	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	67.1	88.4	89.7	93.6	95.5	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	67.1	88.4	89.7	93.6	95.5	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	67.1	88.4	89.7	93.6	95.5	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	67.1	88.4	89.7	93.6	95.5	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	67.1	88.4	89.7	93.6	95.5	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	67.1	88.4	89.7	93.6	95.5	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	67.1	88.4	89.7	93.6	95.5	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	67.1	88.4	89.7	93.6	95.5	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	67.1	88.4	89.7	93.6	95.5	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	67.1	88.4	89.7	93.6	95.5	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

15
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	47.7	59.4	60.0	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 20000	54.2	68.4	69.0	69.0	69.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 18000	54.2	68.4	69.0	69.0	69.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 16000	54.2	68.4	69.0	69.0	69.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 14000	54.2	68.4	69.0	69.0	69.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 12000	54.8	69.7	70.3	70.3	71.0	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 10000	56.1	71.0	71.6	71.6	72.3	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 9000	56.8	71.6	72.3	72.3	72.9	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 8000	58.1	72.9	73.6	73.6	74.8	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 7000	58.1	72.9	73.6	73.6	74.8	74.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 6000	58.1	73.6	74.2	74.2	76.1	76.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 5000	56.7	74.2	74.8	75.5	78.1	78.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 4500	60.7	76.8	77.4	78.1	80.7	80.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 4000	63.2	80.0	80.7	81.3	83.9	83.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 3500	65.2	83.9	84.5	85.2	87.7	87.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3000	67.1	87.1	87.7	88.4	91.6	92.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 2500	67.7	89.0	90.3	91.0	95.5	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2000	68.4	89.7	91.6	92.3	96.8	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1800	68.4	89.7	91.6	92.3	97.4	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1500	68.4	89.7	91.6	92.3	97.4	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	68.4	89.7	91.6	92.3	97.4	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	68.4	89.7	91.6	92.3	97.4	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	68.4	89.7	91.6	92.3	97.4	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	68.4	89.7	91.6	92.3	97.4	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	68.4	89.7	91.6	92.3	97.4	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	68.4	89.7	91.6	92.3	97.4	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	68.4	89.7	91.6	92.3	97.4	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	68.4	89.7	91.6	92.3	97.4	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	68.4	89.7	91.6	92.3	97.4	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	68.4	89.7	91.6	92.3	97.4	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	68.4	89.7	91.6	92.3	97.4	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0	68.4	89.7	91.6	92.3	97.4	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

18
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	52.3	63.9	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 20000	56.8	71.6	72.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 18000	56.8	71.6	72.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 16000	56.8	71.6	72.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 14000	56.8	71.6	72.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 12000	56.8	71.6	72.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 10000	60.0	76.1	78.1	80.0	80.7	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3
≥ 9000	60.0	76.8	78.7	80.7	81.3	81.3	81.3	82.6	82.6	82.6	82.6	82.6	82.6
≥ 8000	61.9	79.4	81.9	85.2	85.8	85.8	85.8	87.1	87.1	87.1	87.1	87.1	87.1
≥ 7000	62.6	80.0	82.6	85.8	86.5	86.5	86.5	87.7	87.7	87.7	87.7	87.7	87.7
≥ 6000	63.9	81.3	83.9	87.1	87.7	87.7	87.7	89.0	89.0	89.0	89.0	89.0	89.0
≥ 5000	64.5	82.6	85.2	88.4	89.7	89.7	89.7	91.0	91.0	91.0	91.0	91.0	91.0
≥ 4500	64.5	83.2	85.8	89.7	91.6	91.6	91.6	92.9	92.9	92.9	92.9	92.9	92.9
≥ 4000	65.2	84.5	87.1	91.0	92.9	92.9	92.9	94.2	94.2	94.2	94.2	94.2	94.2
≥ 3500	65.2	85.2	87.7	91.6	93.6	93.6	93.6	94.8	94.8	94.8	94.8	94.8	94.8
≥ 3000	65.2	87.1	89.7	94.2	96.1	96.1	96.1	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2500	65.2	87.1	89.7	94.2	96.1	96.1	96.1	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2000	65.2	87.1	89.7	94.8	96.8	96.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1800	65.2	87.1	90.3	95.5	97.4	97.4	97.4	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	65.2	87.1	90.3	95.5	97.4	97.4	97.4	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	65.2	87.1	90.3	95.5	97.4	97.4	97.4	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	65.2	87.1	90.3	95.5	97.4	97.4	97.4	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	65.2	87.1	90.3	95.5	97.4	97.4	97.4	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	65.2	87.1	90.3	95.5	97.4	97.4	97.4	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	65.2	87.1	90.3	95.5	97.4	97.4	97.4	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	65.2	87.1	90.3	95.5	97.4	97.4	97.4	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	65.2	87.1	90.3	95.5	97.4	97.4	97.4	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	65.2	87.1	90.3	95.5	97.4	97.4	97.4	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	65.2	87.1	90.3	95.5	98.1	98.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	65.2	87.1	90.3	95.5	98.1	98.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	65.2	87.1	90.3	95.5	98.1	98.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4
0	65.2	87.1	90.3	95.5	98.1	98.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	52.9	65.2	68.4	69.0	69.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 20000	57.4	70.3	73.6	74.8	75.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 18000	57.4	70.3	73.6	74.8	75.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 16000	57.4	70.3	73.6	74.8	75.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 14000	58.1	71.0	74.2	76.1	76.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 12000	58.1	71.0	74.2	76.1	76.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 10000	59.4	74.8	78.7	80.7	82.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 9000	59.4	75.5	79.4	81.3	83.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 8000	60.7	76.8	80.7	82.6	85.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 7000	61.3	77.4	81.3	83.2	85.8	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 6000	61.9	78.1	81.9	83.9	86.5	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 5000	61.9	78.7	82.6	84.5	87.1	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 4500	61.9	80.0	85.2	87.7	90.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 4000	62.6	81.3	87.7	90.3	92.9	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 3500	62.6	81.3	87.7	90.3	93.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 3000	63.2	81.9	89.0	91.6	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2500	63.9	82.6	89.7	92.3	95.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 2000	63.9	82.6	89.7	92.3	95.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1800	63.9	83.2	90.3	92.9	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	63.9	83.2	91.0	93.6	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	63.9	83.2	91.0	93.6	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	63.9	83.2	91.0	93.6	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	63.9	83.2	91.0	93.6	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	63.9	83.2	91.0	93.6	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	63.9	83.2	91.0	93.6	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	63.9	83.2	91.0	93.6	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	63.9	83.2	91.0	93.6	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	63.9	83.2	91.0	93.6	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	63.9	83.2	91.0	93.6	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	63.9	83.2	91.0	93.6	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	63.9	83.2	91.0	93.6	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	63.9	83.2	91.0	93.6	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

14855
STATIONGLENVIEW, ILLINOIS
STATION NAME73-77
YEARSJUL
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	47.7	59.4	62.0	63.8	65.2	66.1	66.1	66.3	66.3	66.4	66.4	66.4	66.4
≥ 20000	51.2	64.4	67.3	69.4	70.8	71.7	71.9	72.1	72.1	72.2	72.2	72.2	72.2
≥ 18000	51.2	64.4	67.3	69.4	70.8	71.7	71.9	72.1	72.1	72.2	72.2	72.2	72.2
≥ 16000	51.2	64.4	67.3	69.4	70.8	71.7	71.9	72.1	72.1	72.2	72.2	72.2	72.2
≥ 14000	51.5	64.7	67.5	69.7	71.1	72.0	72.3	72.5	72.5	72.6	72.6	72.6	72.6
≥ 12000	51.8	65.8	68.6	70.8	72.3	73.2	73.6	73.7	73.7	73.8	73.8	73.8	73.8
≥ 10000	53.0	69.4	72.7	75.3	77.2	78.2	78.6	78.7	78.7	78.8	78.8	78.8	78.8
≥ 9000	53.9	70.0	73.2	75.9	77.7	78.8	79.2	79.4	79.4	79.4	79.4	79.4	79.4
≥ 8000	55.4	72.7	76.1	79.0	81.2	82.3	82.7	82.8	82.8	82.9	82.9	82.9	82.9
≥ 7000	55.8	73.5	76.8	79.8	81.9	83.1	83.6	83.7	83.7	83.9	83.9	83.9	83.9
≥ 6000	56.1	74.2	77.5	80.6	82.9	84.0	84.5	84.7	84.7	84.8	84.8	84.8	84.8
≥ 5000	56.9	75.5	78.8	82.0	84.6	85.7	86.2	86.4	86.4	86.5	86.5	86.5	86.5
≥ 4500	57.7	76.7	80.2	83.7	86.5	87.6	88.1	88.2	88.2	88.4	88.4	88.4	88.4
≥ 4000	58.4	78.1	81.8	85.3	88.1	89.3	89.8	90.0	90.0	90.2	90.2	90.2	90.2
≥ 3500	59.1	79.4	83.1	86.6	89.4	90.7	91.3	91.5	91.5	91.6	91.6	91.6	91.6
≥ 3000	59.8	81.4	85.2	88.9	91.9	93.2	94.1	94.4	94.4	94.5	94.5	94.5	94.5
≥ 2500	60.2	82.1	86.1	89.8	93.0	94.4	95.3	95.6	95.6	95.7	95.7	95.7	95.7
≥ 2000	60.4	82.7	86.6	90.7	93.9	95.4	96.3	96.6	96.6	96.8	96.8	96.8	96.8
≥ 1800	60.4	82.7	86.9	90.9	94.0	95.6	96.5	96.8	96.8	96.9	96.9	96.9	96.9
≥ 1500	60.4	83.2	87.5	91.6	94.8	96.5	97.5	97.8	97.8	98.0	98.0	98.0	98.0
≥ 1200	60.4	83.2	87.6	91.9	95.1	96.8	97.7	98.2	98.2	98.4	98.4	98.4	98.4
≥ 1000	60.4	83.4	87.7	92.0	95.2	96.9	98.0	98.4	98.5	98.6	98.6	98.6	98.6
≥ 900	60.4	83.5	87.8	92.1	95.5	97.2	98.2	98.6	98.7	98.9	98.9	98.9	98.9
≥ 800	60.5	83.6	88.0	92.3	95.7	97.4	98.5	98.9	99.0	99.1	99.3	99.3	99.3
≥ 700	60.5	83.6	88.0	92.3	95.7	97.4	98.5	98.9	99.0	99.1	99.3	99.3	99.3
≥ 600	60.5	83.6	88.0	92.3	95.7	97.6	98.6	99.0	99.1	99.3	99.4	99.4	99.4
≥ 500	60.5	83.6	88.0	92.3	95.7	97.6	98.6	99.1	99.2	99.4	99.5	99.5	99.5
≥ 400	60.5	83.6	88.0	92.3	95.7	97.6	98.6	99.1	99.2	99.4	99.5	99.5	99.5
≥ 300	60.5	83.6	88.0	92.3	95.8	97.7	98.7	99.2	99.3	99.5	99.7	99.7	99.7
≥ 200	60.5	83.6	88.0	92.3	95.8	97.7	98.7	99.2	99.3	99.5	99.8	99.8	99.8
≥ 100	60.5	83.6	88.0	92.3	95.8	97.7	98.7	99.2	99.3	99.5	99.8	99.8	99.8
≥ 0	60.5	83.6	88.0	92.3	95.8	97.7	98.7	99.2	99.3	99.5	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

1240

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	40.0	53.6	56.8	61.9	63.9	64.5	65.2	65.8	65.8	66.5	66.5	66.5	66.5	66.5
≥ 20000	41.9	56.1	60.0	66.5	69.7	70.3	71.0	71.6	71.6	72.3	72.3	72.3	72.3	72.3
≥ 18000	41.9	56.1	60.0	66.5	69.7	70.3	71.0	71.6	71.6	72.3	72.3	72.3	72.3	72.3
≥ 16000	41.9	56.1	60.0	66.5	69.7	70.3	71.0	71.6	71.6	72.3	72.3	72.3	72.3	72.3
≥ 14000	42.6	56.8	60.7	67.1	70.3	71.0	71.6	72.3	72.3	72.9	72.9	72.9	72.9	72.9
≥ 12000	43.2	57.4	61.3	67.7	71.0	72.3	73.6	74.2	74.2	74.8	74.8	74.8	74.8	74.8
≥ 10000	45.8	61.9	65.8	72.3	75.5	76.8	78.1	78.7	78.7	79.4	79.4	79.4	79.4	79.4
≥ 9000	45.8	61.9	65.8	72.3	75.5	76.8	78.1	78.7	78.7	79.4	79.4	79.4	79.4	79.4
≥ 8000	49.0	67.1	71.0	77.4	80.7	82.6	83.9	84.5	84.5	85.2	85.2	85.2	85.2	85.2
≥ 7000	49.7	68.4	72.3	78.7	81.9	83.9	85.2	85.8	85.8	86.5	86.5	86.5	86.5	86.5
≥ 6000	49.7	69.0	72.9	79.4	82.6	84.5	85.8	86.5	86.5	87.1	87.1	87.1	87.1	87.1
≥ 5000	50.3	69.7	73.6	80.0	83.2	85.2	86.5	87.1	87.1	87.7	87.7	87.7	87.7	87.7
≥ 4500	50.3	69.7	74.2	80.7	83.9	85.8	87.1	87.7	87.7	88.4	88.4	88.4	88.4	88.4
≥ 4000	52.3	72.3	76.8	83.2	86.5	88.4	89.7	90.3	90.3	91.0	91.0	91.0	91.0	91.0
≥ 3500	52.3	72.3	77.4	83.9	87.1	89.0	90.3	91.0	91.0	91.6	91.6	91.6	91.6	91.6
≥ 3000	52.3	72.9	78.1	85.2	88.4	90.3	91.6	92.3	92.3	92.9	92.9	92.9	92.9	92.9
≥ 2500	52.9	74.8	80.0	87.1	91.0	92.9	94.2	94.8	94.8	95.5	95.5	95.5	95.5	95.5
≥ 2000	52.9	74.8	80.0	87.1	91.0	92.9	94.2	94.8	94.8	95.5	95.5	95.5	95.5	95.5
≥ 1800	52.9	74.8	80.0	87.1	91.0	92.9	94.2	94.8	94.8	95.5	95.5	95.5	95.5	95.5
≥ 1500	54.2	76.1	81.3	88.4	92.3	94.8	96.1	96.8	96.8	97.4	97.4	97.4	97.4	97.4
≥ 1200	54.2	76.1	81.9	89.0	92.9	95.5	96.8	97.4	97.4	98.1	98.1	98.1	98.1	98.1
≥ 1000	54.2	76.1	81.9	89.0	92.9	95.5	97.4	98.1	98.1	98.7	98.7	98.7	98.7	98.7
≥ 900	54.2	76.1	81.9	89.0	92.9	95.5	97.4	98.1	98.1	98.7	98.7	98.7	98.7	98.7
≥ 800	54.2	76.1	81.9	89.0	92.9	95.5	97.4	98.1	98.1	98.7	98.7	98.7	98.7	98.7
≥ 700	54.2	76.1	81.9	89.0	92.9	95.5	97.4	98.1	98.1	98.7	98.7	98.7	98.7	98.7
≥ 600	54.2	76.1	81.9	89.0	93.6	96.1	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4
≥ 500	54.2	76.1	81.9	89.0	93.6	96.1	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4
≥ 400	54.2	76.1	81.9	89.0	93.6	96.1	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4
≥ 300	54.2	76.1	81.9	89.0	93.6	96.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0
≥ 200	54.2	76.1	81.9	89.0	93.6	96.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0
≥ 100	54.2	76.1	81.9	89.0	93.6	96.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0
≥ 0	54.2	76.1	81.9	89.0	93.6	96.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0

155

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855
STATIONGLENVIEW, ILLINOIS
STATION NAME73-77
YEARSAUG
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)03
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	34.8	47.7	54.2	58.7	60.7	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 20000	35.5	51.0	58.1	62.6	65.8	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 18000	35.5	51.0	58.1	62.6	65.8	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 16000	35.5	51.0	58.1	62.6	65.8	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 14000	35.5	51.0	58.1	62.6	65.8	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 12000	35.5	51.6	58.7	63.2	66.5	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 10000	38.7	55.5	63.9	68.4	71.6	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 9000	38.7	56.1	65.2	69.7	72.9	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 8000	43.2	62.6	71.6	76.1	79.4	81.9	82.6	82.6	82.6	83.2	83.9	83.9	83.9
≥ 7000	44.5	63.9	72.9	77.4	80.7	83.2	83.9	83.9	83.9	84.5	85.2	85.2	85.2
≥ 6000	44.5	63.9	72.9	77.4	80.7	83.2	83.9	83.9	83.9	84.5	85.2	85.2	85.2
≥ 5000	44.5	63.9	72.9	77.4	80.7	83.2	83.9	83.9	83.9	84.5	85.2	85.2	85.2
≥ 4500	45.2	64.5	73.6	78.1	81.3	83.9	84.5	84.5	84.5	85.2	85.8	85.8	85.8
≥ 4000	46.5	65.8	75.5	80.0	83.2	85.8	87.1	87.1	87.1	87.7	88.4	88.4	88.4
≥ 3500	47.1	66.5	76.1	80.7	83.9	86.5	87.7	87.7	87.7	88.4	89.0	89.0	89.0
≥ 3000	47.1	67.1	76.8	81.3	84.5	87.1	88.4	89.0	89.0	89.7	90.3	90.3	90.3
≥ 2500	47.7	67.7	77.4	81.9	85.2	87.7	89.0	89.7	89.7	90.3	91.0	91.0	91.0
≥ 2000	47.7	69.7	79.4	84.5	89.7	92.3	93.6	94.2	94.2	94.8	95.5	95.5	95.5
≥ 1800	47.7	69.7	79.4	84.5	89.7	92.3	93.6	94.2	94.2	94.8	95.5	95.5	95.5
≥ 1500	48.4	70.3	80.0	85.8	91.0	93.6	94.8	95.5	95.5	96.1	96.8	96.8	96.8
≥ 1200	48.4	70.3	80.7	86.5	91.6	94.2	95.5	96.1	96.1	96.8	97.4	97.4	97.4
≥ 1000	48.4	70.3	80.7	86.5	91.6	94.2	96.1	96.8	96.8	97.4	98.1	98.1	98.1
≥ 900	48.4	70.3	80.7	86.5	91.6	94.2	96.1	96.8	96.8	97.4	98.1	98.1	98.1
≥ 800	48.4	70.3	80.7	86.5	91.6	94.2	96.1	96.8	96.8	97.4	98.1	98.1	98.1
≥ 700	48.4	70.3	80.7	86.5	91.6	94.2	96.1	96.8	96.8	97.4	98.1	98.1	98.1
≥ 600	48.4	70.3	80.7	86.5	92.3	94.8	96.8	97.4	97.4	98.1	98.7	98.7	98.7
≥ 500	48.4	70.3	80.7	86.5	92.3	94.8	96.8	97.4	97.4	98.1	98.7	98.7	98.7
≥ 400	48.4	70.3	80.7	86.5	92.3	94.8	96.8	97.4	97.4	98.1	98.7	98.7	98.7
≥ 300	48.4	70.3	80.7	86.5	92.3	94.8	96.8	97.4	97.4	98.1	98.7	98.7	98.7
≥ 200	48.4	70.3	80.7	86.5	92.3	94.8	96.8	97.4	97.4	98.1	98.7	98.7	98.7
≥ 100	48.4	70.3	80.7	86.5	92.3	94.8	96.8	97.4	97.4	98.1	98.7	98.7	98.7
≥ 0	48.4	70.3	80.7	86.5	92.3	94.8	96.8	97.4	97.4	98.1	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 14855 GLENVIEW, ILLINOIS YEARS 73-77 MONTH AUG 06 HOURS (LST) 06

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	24.5	37.4	40.0	43.2	47.1	53.6	54.0	56.8	56.8	57.4	58.7	59.4	59.4
≥ 20000	27.7	41.9	44.5	48.4	52.9	59.4	61.3	63.2	63.2	63.9	65.2	65.8	65.8
≥ 18000	27.7	41.9	44.5	48.4	52.9	59.4	61.3	63.2	63.2	63.9	65.2	65.8	65.8
≥ 16000	27.7	41.9	44.5	48.4	52.9	59.4	61.3	63.2	63.2	63.9	65.2	65.8	65.8
≥ 14000	27.7	41.9	44.5	48.4	52.9	59.4	61.3	63.2	63.2	63.9	65.2	65.8	65.8
≥ 12000	27.7	43.2	45.8	49.7	54.2	60.7	62.6	65.2	65.2	65.8	67.1	67.7	67.7
≥ 10000	29.7	47.1	50.3	54.2	58.7	65.2	67.7	70.3	70.3	71.0	72.3	72.9	72.9
≥ 9000	29.7	47.7	51.6	55.5	60.0	66.5	69.0	71.6	71.6	72.3	73.6	74.2	74.2
≥ 8000	31.0	50.3	55.5	59.4	63.9	70.3	73.6	76.8	76.8	77.4	79.4	79.4	79.4
≥ 7000	31.0	50.3	55.5	59.4	63.9	71.0	74.2	77.4	77.4	78.1	79.4	80.0	80.0
≥ 6000	31.0	50.3	55.5	59.4	64.5	71.6	74.8	78.1	78.1	78.7	80.0	80.7	80.7
≥ 5000	32.9	53.6	58.7	62.6	68.4	75.5	78.7	81.9	81.9	82.6	83.9	84.5	84.5
≥ 4500	33.6	54.2	59.4	63.2	69.0	76.1	79.4	82.6	82.6	83.2	84.5	85.2	85.2
≥ 4000	33.6	54.2	59.4	63.2	69.7	76.8	80.0	83.2	83.2	83.9	85.2	85.8	85.8
≥ 3500	34.8	56.1	61.3	65.2	71.6	78.7	81.9	85.2	85.2	85.8	87.1	87.7	87.7
≥ 3000	34.8	57.4	62.6	67.1	73.6	81.3	84.5	87.7	87.7	88.4	89.7	91.0	91.0
≥ 2500	34.8	57.4	62.6	67.1	73.6	81.3	84.5	87.7	87.7	88.4	89.7	91.0	91.0
≥ 2000	35.5	58.7	63.9	68.4	74.8	82.6	85.8	89.0	89.0	89.7	91.0	92.3	92.3
≥ 1800	35.5	58.7	63.9	68.4	74.8	82.6	85.8	89.0	89.0	89.7	91.0	92.3	92.3
≥ 1500	35.5	58.7	63.9	68.4	74.8	82.6	85.8	89.0	89.0	89.7	91.0	92.3	92.3
≥ 1200	35.5	58.7	64.5	69.0	75.5	83.2	86.5	89.7	89.7	91.0	92.3	93.6	93.6
≥ 1000	35.5	58.7	64.5	69.7	76.8	84.5	87.7	91.0	91.0	91.6	92.9	95.5	95.5
≥ 900	35.5	58.7	64.5	69.7	76.8	84.5	87.7	91.0	91.0	91.6	92.9	95.5	95.5
≥ 800	35.5	58.7	64.5	69.7	76.8	84.5	87.7	91.0	91.0	91.6	92.9	95.5	95.5
≥ 700	35.5	59.4	65.2	70.3	77.4	85.2	88.4	91.6	91.6	92.3	94.8	96.1	96.1
≥ 600	35.5	59.4	65.2	70.3	77.4	85.2	88.4	91.6	91.6	92.3	94.8	96.1	96.1
≥ 500	35.5	59.4	65.2	70.3	77.4	85.2	88.4	91.6	91.6	92.3	94.8	96.1	96.1
≥ 400	35.5	59.4	65.2	70.3	77.4	85.2	88.4	91.6	91.6	92.3	94.8	96.1	96.1
≥ 300	35.5	59.4	65.2	70.3	77.4	85.2	88.4	91.6	91.6	92.3	94.8	96.1	96.1
≥ 200	35.5	59.4	65.2	70.3	77.4	85.2	88.4	91.6	91.6	92.3	94.8	96.1	96.1
≥ 100	35.5	59.4	65.2	70.3	77.4	85.2	88.4	91.6	91.6	92.3	94.8	96.1	96.1
≥ 0	35.5	59.4	65.2	70.3	77.4	85.2	88.4	91.6	91.6	92.3	94.8	96.1	96.1

TOTAL NUMBER OF OBSERVATIONS 155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

09
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	27.7	42.6	47.1	51.0	56.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 20000	30.3	49.0	53.6	57.4	63.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 18000	30.3	49.0	53.6	57.4	63.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 16000	30.3	49.0	53.6	57.4	63.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 14000	30.3	49.0	54.2	58.1	63.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 12000	30.3	49.7	54.8	58.7	64.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 10000	32.9	53.6	58.7	63.9	69.7	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 9000	32.9	53.6	58.7	63.9	69.7	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 8000	34.2	56.8	61.9	67.7	73.6	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 7000	35.5	58.1	63.2	69.0	75.5	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 6000	35.5	58.1	63.2	69.0	75.5	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 5000	37.4	60.7	65.8	71.6	78.1	81.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 4500	37.4	61.3	66.5	72.3	78.7	82.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 4000	38.1	61.9	67.1	72.9	79.4	83.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 3500	39.4	63.9	69.0	74.8	81.3	85.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 3000	40.0	65.2	71.0	77.4	83.9	87.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 2500	40.0	65.2	71.0	77.4	83.9	87.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 2000	40.7	67.1	72.9	79.4	85.8	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1800	40.7	67.7	73.6	80.0	86.5	90.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1500	41.3	69.7	75.5	81.9	88.4	92.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1200	41.3	70.3	76.1	82.6	90.3	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1000	41.3	70.3	76.1	82.6	91.0	94.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 900	41.3	70.3	76.1	82.6	91.6	95.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800	41.3	70.3	76.1	82.6	91.6	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700	41.3	70.3	76.1	82.6	91.6	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 600	41.3	70.3	76.1	82.6	91.6	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500	41.3	71.0	76.8	83.2	92.3	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	41.3	71.0	76.8	83.2	92.9	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	41.3	71.0	76.8	83.2	92.9	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	41.3	71.0	76.8	83.2	92.9	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	41.3	71.0	76.8	83.2	92.9	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	41.3	71.0	76.8	83.2	92.9	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855 STATION

GLENVIEW, ILLINOIS

73-77

STATION NAME

YEARS

AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	31.0	43.9	47.7	49.7	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 20000	35.5	50.3	54.2	56.1	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 18000	35.5	50.3	54.2	56.1	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 16000	35.5	50.3	54.2	56.1	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 14000	35.5	50.3	54.2	56.1	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 12000	36.8	51.6	55.5	57.4	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 10000	41.9	56.8	60.7	63.9	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 9000	41.9	56.8	60.7	63.9	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 8000	41.9	58.1	61.9	65.2	66.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 7000	43.2	59.4	63.2	67.1	68.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 6000	43.2	59.4	63.2	67.7	69.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 5000	45.8	62.6	66.5	71.0	72.3	73.6	73.6	73.6	73.6	74.2	74.2	74.2
≥ 4500	46.5	63.2	67.1	71.6	72.9	74.2	74.2	74.2	74.2	74.8	74.8	74.8
≥ 4000	47.1	65.8	69.7	75.5	76.8	78.7	78.7	78.7	78.7	79.4	79.4	79.4
≥ 3500	47.7	67.7	71.6	77.4	78.7	80.7	80.7	80.7	80.7	81.3	81.3	81.3
≥ 3000	51.0	72.9	76.8	83.2	85.2	87.1	87.1	87.1	87.1	87.7	87.7	87.7
≥ 2500	52.3	74.8	78.7	85.2	87.1	89.0	89.0	89.0	89.0	89.7	89.7	89.7
≥ 2000	52.9	75.5	80.0	86.5	88.4	90.3	90.3	90.3	90.3	91.0	91.0	91.0
≥ 1800	52.9	75.5	80.0	86.5	88.4	90.3	90.3	90.3	90.3	91.0	91.0	91.0
≥ 1500	54.2	77.4	82.6	89.0	91.6	93.6	94.2	94.2	94.2	94.8	94.8	94.8
≥ 1200	54.8	78.1	83.2	89.7	92.3	94.2	94.8	94.8	94.8	95.5	95.5	95.5
≥ 1000	54.8	78.7	84.5	91.0	93.6	95.5	96.1	96.1	96.1	96.8	96.8	96.8
≥ 900	54.8	80.0	85.8	92.9	95.5	97.4	98.1	98.1	98.1	98.7	98.7	98.7
≥ 800	54.8	80.0	85.8	92.9	95.5	97.4	98.1	98.1	98.1	98.7	98.7	98.7
≥ 700	54.8	80.0	85.8	92.9	95.5	97.4	98.1	98.7	98.7	99.4	99.4	99.4
≥ 600	54.8	80.0	85.8	92.9	95.5	97.4	98.1	98.7	98.7	99.4	99.4	99.4
≥ 500	54.8	80.0	85.8	92.9	95.5	97.4	98.1	98.7	98.7	99.4	99.4	99.4
≥ 400	54.8	80.0	85.8	92.9	95.5	97.4	98.1	98.7	98.7	99.4	99.4	99.4
≥ 300	54.8	80.0	85.8	92.9	95.5	97.4	98.1	98.7	98.7	99.4	99.4	99.4
≥ 200	54.8	80.0	85.8	92.9	95.5	97.4	98.1	98.7	98.7	99.4	99.4	99.4
≥ 100	54.8	80.0	85.8	92.9	95.5	97.4	98.1	98.7	98.7	99.4	99.4	99.4
≥ 0	54.8	80.0	85.8	92.9	95.5	97.4	98.1	98.7	98.7	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCANMET SMOS

CEILING VERSUS VISIBILITY

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	57.4	50.3	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 20000	41.9	55.5	58.7	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 18000	41.9	55.5	58.7	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 16000	41.9	55.5	58.7	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 14000	42.6	56.8	60.0	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 12000	46.5	60.7	63.9	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 10000	47.7	61.9	65.2	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 9000	49.0	63.2	66.5	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 8000	50.3	65.8	69.0	70.3	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 7000	50.3	65.8	69.0	70.3	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 6000	50.3	65.8	69.0	70.3	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 5000	53.6	69.7	72.9	74.2	76.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 4500	53.6	69.7	72.9	74.2	76.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 4000	54.8	72.9	76.8	78.1	80.7	82.6	83.2	83.2	83.2	83.2	83.2	83.2
≥ 3500	56.1	74.8	78.7	80.0	82.6	84.5	85.2	85.2	85.2	85.2	85.2	85.2
≥ 3000	58.1	77.4	81.3	82.6	85.2	87.1	88.4	88.4	88.4	88.4	89.0	89.0
≥ 2500	58.7	78.7	83.2	84.5	87.7	89.7	91.6	91.6	91.6	91.6	92.3	92.3
≥ 2000	60.7	82.6	87.1	88.4	91.6	93.6	95.5	95.5	95.5	95.5	96.1	96.1
≥ 1800	60.7	82.6	87.1	88.4	91.6	93.6	95.5	95.5	95.5	95.5	96.1	96.1
≥ 1500	60.7	82.6	87.1	88.4	91.6	93.6	95.5	95.5	95.5	95.5	96.1	96.1
≥ 1200	60.7	82.6	87.1	88.4	91.6	93.6	95.5	95.5	95.5	95.5	96.1	96.1
≥ 1000	60.7	82.6	87.1	89.0	92.9	94.8	97.4	97.4	97.4	97.4	98.1	98.1
≥ 900	60.7	82.6	88.4	90.3	94.2	96.1	98.7	98.7	98.7	98.7	99.4	99.4
≥ 800	60.7	82.6	88.4	90.3	94.2	96.1	98.7	98.7	98.7	98.7	99.4	99.4
≥ 700	60.7	82.6	88.4	90.3	94.2	96.1	98.7	98.7	98.7	98.7	99.4	99.4
≥ 600	60.7	82.6	88.4	90.3	94.2	96.1	98.7	98.7	98.7	98.7	99.4	99.4
≥ 500	60.7	82.6	88.4	90.3	94.2	96.1	98.7	98.7	98.7	98.7	99.4	99.4
≥ 400	60.7	82.6	88.4	90.3	94.2	96.1	98.7	98.7	98.7	98.7	99.4	99.4
≥ 300	60.7	82.6	88.4	90.3	94.2	96.1	98.7	98.7	98.7	98.7	99.4	99.4
≥ 200	60.7	82.6	88.4	90.3	94.2	96.1	98.7	98.7	98.7	98.7	99.4	99.4
≥ 100	60.7	82.6	88.4	90.3	94.2	96.1	98.7	98.7	98.7	98.7	99.4	99.4
0	60.7	82.6	88.4	90.3	94.2	96.1	98.7	98.7	98.7	98.7	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

18
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	36.2	51.6	52.3	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 20000	46.5	63.9	64.5	66.5	67.1	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 18000	46.5	63.9	64.5	66.5	67.1	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 16000	46.5	63.9	64.5	66.5	67.1	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 14000	47.1	64.5	65.2	67.1	67.7	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 12000	49.0	66.5	67.1	69.0	69.7	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 10000	50.3	69.7	70.3	72.3	73.6	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 9000	50.3	70.3	71.0	72.9	74.2	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 8000	52.9	74.2	74.8	77.4	78.7	80.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 7000	53.6	76.1	76.8	79.4	80.7	81.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 6000	53.6	76.1	76.8	79.4	80.7	81.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 5000	55.5	78.1	78.7	81.3	83.9	85.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 4500	55.5	78.1	78.7	81.3	83.9	85.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 4000	55.5	78.7	79.4	81.9	84.5	85.8	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 3500	56.8	80.0	80.7	83.2	85.8	87.1	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3000	56.8	80.7	81.3	84.5	87.1	89.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2500	56.8	81.3	82.6	85.8	88.4	90.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 2000	56.8	81.9	83.2	86.5	90.3	92.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1800	57.4	82.6	83.9	87.1	91.6	93.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1500	57.4	83.2	84.5	88.4	92.9	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1200	57.4	83.2	84.5	88.4	92.9	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1000	57.4	83.2	84.5	88.4	93.6	95.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900	57.4	83.2	84.5	88.4	93.6	95.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800	57.4	83.2	84.5	88.4	93.6	95.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700	57.4	83.2	84.5	88.4	93.6	95.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 600	57.4	83.2	84.5	88.4	94.2	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	57.4	83.2	84.5	88.4	94.2	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	57.4	83.2	84.5	88.4	94.2	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	57.4	83.2	84.5	88.4	94.2	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	57.4	83.2	84.5	88.4	94.2	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	57.4	83.2	84.5	88.4	94.2	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0	57.4	83.2	84.5	88.4	94.2	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	40.0	56.1	59.4	61.3	63.9	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 20000	42.6	60.0	64.5	66.5	69.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 18000	42.6	60.0	64.5	66.5	69.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 16000	42.6	60.0	64.5	66.5	69.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 14000	43.2	60.7	65.2	67.7	70.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 12000	44.5	62.6	67.1	69.7	72.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 10000	46.5	65.8	71.0	73.6	76.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 9000	46.5	65.8	71.0	73.6	76.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 8000	49.0	70.3	75.5	78.1	81.3	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 7000	49.7	71.0	76.1	78.7	81.9	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 6000	49.7	71.0	76.1	78.7	81.9	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 5000	51.0	73.6	79.4	82.6	85.8	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 4500	51.0	73.6	79.4	82.6	85.8	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 4000	52.3	74.8	80.7	83.9	87.1	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 3500	52.9	75.5	81.3	84.5	87.7	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 3000	52.9	75.5	81.3	84.5	87.7	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2500	52.9	75.5	82.6	85.8	89.0	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 2000	53.6	76.8	83.9	87.1	90.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1800	53.6	76.8	83.9	87.1	91.0	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1500	54.2	77.4	85.2	89.0	92.3	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1200	54.2	77.4	85.2	89.0	92.3	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000	54.2	78.1	85.8	89.7	92.9	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900	54.2	78.1	85.8	89.7	92.9	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800	54.2	78.1	85.8	89.7	92.9	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 700	54.2	78.1	85.8	89.7	92.9	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 600	54.2	78.1	85.8	89.7	93.6	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	54.2	78.1	85.8	89.7	93.6	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	54.2	78.1	85.8	89.7	93.6	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	54.2	78.1	85.8	89.7	93.6	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	54.2	78.1	85.8	89.7	93.6	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	54.2	78.1	85.8	89.7	93.6	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 0	54.2	78.1	85.8	89.7	93.6	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	34.0	47.9	51.3	54.2	56.2	57.7	58.1	58.4	58.4	58.5	58.6	58.7	58.8
≥ 20000	37.7	53.5	57.3	60.4	63.1	64.8	65.3	65.7	65.7	65.7	65.8	66.0	66.1
≥ 18000	37.7	53.5	57.3	60.4	63.1	64.8	65.3	65.7	65.7	65.7	65.8	66.0	66.1
≥ 16000	37.7	53.5	57.3	60.4	63.1	64.8	65.3	65.7	65.7	65.7	65.8	66.0	66.1
≥ 14000	38.1	53.9	57.7	61.0	63.6	65.4	65.9	66.2	66.2	66.3	66.4	66.5	66.6
≥ 12000	39.2	55.4	59.3	62.5	65.2	67.1	67.7	68.1	68.1	68.2	68.2	68.4	68.5
≥ 10000	41.7	59.0	63.2	66.8	69.5	71.8	72.5	72.9	72.9	73.0	73.1	73.2	73.3
≥ 9000	41.9	59.4	63.8	67.3	70.2	72.4	73.2	73.6	73.6	73.6	73.7	73.9	74.0
≥ 8000	44.0	63.2	67.7	71.5	74.4	76.9	77.9	78.4	78.4	78.6	78.7	78.9	79.0
≥ 7000	44.7	64.1	68.6	72.5	75.5	78.2	79.2	79.7	79.7	79.8	80.0	80.2	80.2
≥ 6000	44.7	64.2	68.7	72.7	75.7	78.5	79.4	79.9	79.9	80.1	80.2	80.4	80.5
≥ 5000	46.4	66.5	71.1	75.1	78.6	81.5	82.6	83.1	83.1	83.2	83.5	83.6	83.7
≥ 4500	46.6	66.8	71.5	75.5	79.0	81.9	83.0	83.5	83.5	83.6	83.9	84.0	84.1
≥ 4000	47.5	68.3	73.2	77.3	81.0	84.0	85.2	85.7	85.7	85.9	86.1	86.3	86.4
≥ 3500	48.4	69.6	74.5	78.7	82.3	85.3	86.6	87.1	87.1	87.3	87.5	87.7	87.7
≥ 3000	49.1	71.1	76.1	80.7	84.4	87.6	89.0	89.6	89.6	89.8	90.1	90.2	90.4
≥ 2500	49.5	71.9	77.3	81.9	85.7	88.9	90.4	91.0	91.0	91.1	91.5	91.6	91.8
≥ 2000	50.1	73.4	78.8	83.5	87.7	90.9	92.4	93.0	93.0	93.2	93.5	93.6	93.8
≥ 1800	50.2	73.6	79.0	83.7	88.1	91.2	92.7	93.3	93.3	93.5	93.8	94.0	94.1
≥ 1500	50.7	74.4	80.0	84.9	89.4	92.6	94.2	94.8	94.8	94.9	95.3	95.5	95.7
≥ 1200	50.8	74.6	80.4	85.3	89.9	93.2	94.9	95.5	95.5	95.7	96.1	96.2	96.4
≥ 1000	50.8	74.8	80.7	85.7	90.7	94.0	95.8	96.4	96.4	96.6	97.0	97.2	97.3
≥ 900	50.8	74.9	81.0	86.1	91.1	94.4	96.4	96.9	96.9	97.2	97.6	97.7	97.9
≥ 800	50.8	74.9	81.0	86.1	91.1	94.5	96.5	97.0	97.0	97.3	97.7	97.8	98.0
≥ 700	50.8	75.0	81.1	86.2	91.2	94.6	96.5	97.2	97.2	97.4	97.8	98.0	98.2
≥ 600	50.8	75.0	81.1	86.2	91.5	95.1	97.2	97.8	97.8	98.1	98.6	98.7	98.9
≥ 500	50.8	75.1	81.1	86.3	91.8	95.2	97.3	98.2	98.2	98.4	98.9	99.0	99.2
≥ 400	50.8	75.1	81.1	86.3	91.8	95.4	97.5	98.4	98.4	98.7	99.2	99.4	99.6
≥ 300	50.8	75.1	81.1	86.3	91.8	95.4	97.5	98.6	98.6	98.9	99.4	99.5	99.8
≥ 200	50.8	75.1	81.1	86.3	91.8	95.4	97.5	98.6	98.6	99.0	99.5	99.7	99.9
≥ 100	50.8	75.1	81.1	86.3	91.8	95.4	97.5	98.6	98.6	99.0	99.5	99.7	99.9
0	50.8	75.1	81.1	86.3	91.8	95.4	97.5	98.6	98.6	99.0	99.5	99.7	99.9

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

14855
STATIONGLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

SEP
MONTH

00

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	44.7	52.7	54.7	56.7	57.3	57.3	58.7	58.7	58.7	59.3	59.3	59.3	59.3
≥ 20000	47.3	55.3	57.3	59.3	60.0	60.0	61.3	61.3	61.3	62.0	62.0	62.0	62.0
≥ 18000	47.3	55.3	57.3	59.3	60.0	60.0	61.3	61.3	61.3	62.0	62.0	62.0	62.0
≥ 16000	47.3	55.3	57.3	59.3	60.0	60.0	61.3	61.3	61.3	62.0	62.0	62.0	62.0
≥ 14000	47.3	55.3	57.3	59.3	60.0	60.0	61.3	61.3	61.3	62.0	62.0	62.0	62.0
≥ 12000	48.0	57.3	59.3	61.3	62.0	62.0	63.3	63.3	63.3	64.0	64.0	64.0	64.0
≥ 10000	53.3	62.7	64.7	66.7	67.3	67.3	68.7	68.7	68.7	69.3	69.3	69.3	69.3
≥ 9000	53.3	62.7	64.7	66.7	67.3	67.3	68.7	68.7	68.7	69.3	69.3	69.3	69.3
≥ 8000	58.0	68.7	70.7	72.7	73.3	73.3	74.7	74.7	74.7	75.3	75.3	75.3	75.3
≥ 7000	61.3	72.0	74.0	76.0	76.7	76.7	78.0	78.0	78.0	78.7	78.7	78.7	78.7
≥ 6000	61.3	72.0	74.0	76.0	76.7	76.7	78.0	78.0	78.0	78.7	78.7	78.7	78.7
≥ 5000	63.3	74.7	78.7	80.7	81.3	81.3	82.7	82.7	82.7	83.3	83.3	83.3	83.3
≥ 4500	64.0	76.0	80.7	82.7	83.3	83.3	84.7	84.7	84.7	85.3	85.3	85.3	85.3
≥ 4000	64.7	76.7	82.0	84.0	85.3	85.3	86.7	86.7	86.7	87.3	87.3	87.3	87.3
≥ 3500	65.3	77.3	82.7	84.7	86.0	86.7	88.0	88.0	88.0	88.7	88.7	88.7	88.7
≥ 3000	66.0	78.0	83.3	85.0	87.3	88.0	89.3	89.3	89.3	90.0	90.0	90.0	90.0
≥ 2500	67.3	79.3	84.7	87.3	88.7	89.3	90.7	90.7	90.7	91.3	91.3	91.3	91.3
≥ 2000	67.3	79.3	84.7	87.3	88.7	89.3	90.7	90.7	90.7	91.3	91.3	91.3	91.3
≥ 1800	67.3	80.0	85.3	88.0	89.3	90.0	91.3	91.3	91.3	92.0	92.0	92.0	92.0
≥ 1500	67.3	80.0	85.3	88.0	89.3	90.0	91.3	91.3	91.3	92.0	92.0	92.0	92.0
≥ 1200	68.0	80.7	86.0	88.7	90.0	90.7	92.7	92.7	92.7	94.0	94.0	94.0	94.0
≥ 1000	68.0	82.0	88.0	91.3	92.7	93.3	95.3	95.3	95.3	96.7	96.7	96.7	96.7
≥ 900	68.0	82.0	88.0	91.3	92.7	93.3	95.3	95.3	95.3	96.7	96.7	96.7	96.7
≥ 800	68.0	82.0	88.0	91.3	92.7	93.3	95.3	95.3	95.3	96.7	96.7	96.7	96.7
≥ 700	68.0	82.0	88.0	91.3	92.7	93.3	95.3	95.3	95.3	96.7	96.7	96.7	96.7
≥ 600	68.0	82.0	88.0	91.3	92.7	93.3	95.3	95.3	95.3	96.7	96.7	96.7	96.7
≥ 500	68.0	82.0	88.0	91.3	92.7	94.0	96.0	96.0	96.0	97.3	97.3	97.3	97.3
≥ 400	68.0	82.0	88.7	92.0	93.3	94.7	96.7	96.7	96.7	98.0	98.0	98.0	98.0
≥ 300	68.0	82.0	88.7	92.0	93.3	94.7	96.7	96.7	96.7	98.7	98.7	98.7	98.7
≥ 200	68.0	82.0	88.7	92.0	93.3	94.7	96.7	96.7	96.7	98.7	98.7	98.7	98.7
≥ 100	68.0	82.0	88.7	92.0	93.3	94.7	96.7	96.7	96.7	98.7	98.7	98.7	98.7
≥ 0	68.0	82.0	88.7	92.0	93.3	94.7	96.7	96.7	96.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

150

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 14855 GLENVIEW, ILLINOIS 73-77 YEARS SEP MONTH 03 HOURS (L S T) 0000

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼
NO CEILING	44.0	54.0	55.3	55.3	56.7	56.7	57.3	57.3	57.3	58.0	58.0	58.0	58.0
≥ 20000	45.3	55.3	56.7	56.7	58.7	58.7	59.3	59.3	59.3	60.0	60.0	60.0	60.0
≥ 18000	45.3	55.3	56.7	56.7	58.7	58.7	59.3	59.3	59.3	60.0	60.0	60.0	60.0
≥ 16000	45.3	55.3	56.7	56.7	58.7	58.7	59.3	59.3	59.3	60.0	60.0	60.0	60.0
≥ 14000	45.3	55.3	56.7	56.7	58.7	58.7	59.3	59.3	59.3	60.0	60.0	60.0	60.0
≥ 12000	47.3	57.3	58.7	58.7	60.7	60.7	61.3	61.3	61.3	62.0	62.0	62.0	62.0
≥ 10000	48.7	60.0	61.3	61.3	63.3	63.3	64.0	64.0	64.0	64.7	64.7	64.7	64.7
≥ 9000	48.7	60.0	61.3	61.3	63.3	63.3	64.0	64.0	64.0	64.7	64.7	64.7	64.7
≥ 8000	52.7	65.3	67.3	68.0	70.0	70.0	70.7	70.7	70.7	71.3	71.3	71.3	71.3
≥ 7000	53.3	67.3	69.3	70.0	72.0	72.0	72.7	72.7	72.7	73.3	73.3	73.3	73.3
≥ 6000	54.7	69.3	71.3	72.0	74.0	74.0	74.7	74.7	74.7	75.3	75.3	75.3	75.3
≥ 5000	56.0	70.7	73.3	74.0	76.0	76.0	77.3	77.3	77.3	78.0	78.0	78.0	78.0
≥ 4500	56.0	71.3	74.0	75.3	77.3	77.3	78.7	78.7	79.3	79.3	79.3	79.3	79.3
≥ 4000	56.7	72.0	74.7	76.0	79.3	79.3	80.7	80.7	81.3	81.3	81.3	81.3	81.3
≥ 3500	58.0	73.3	76.0	77.3	80.7	80.7	82.0	82.0	82.7	82.7	82.7	82.7	82.7
≥ 3000	58.7	75.3	78.0	80.0	83.3	83.3	84.7	84.7	85.3	85.3	85.3	85.3	85.3
≥ 2500	60.7	77.3	80.0	82.0	85.3	85.3	86.7	86.7	87.3	87.3	87.3	87.3	87.3
≥ 2000	62.0	79.3	82.0	84.0	87.3	87.3	88.7	88.7	89.3	89.3	89.3	89.3	89.3
≥ 1800	62.0	79.3	82.0	84.7	88.0	88.0	89.3	89.3	90.0	90.0	90.0	90.0	90.0
≥ 1500	62.0	80.7	83.3	86.0	89.3	89.3	90.7	90.7	91.3	91.3	91.3	91.3	91.3
≥ 1200	62.7	81.3	84.0	88.0	91.3	91.3	92.7	92.7	93.3	93.3	93.3	93.3	93.3
≥ 1000	62.7	82.0	85.3	89.3	92.7	92.7	94.0	94.0	94.7	94.7	94.7	94.7	94.7
≥ 900	62.7	82.0	86.0	90.0	94.0	94.0	95.3	95.3	96.0	96.0	96.0	96.0	96.0
≥ 800	62.7	82.0	86.0	90.0	94.0	94.0	95.3	95.3	96.0	96.0	96.0	96.0	96.0
≥ 700	62.7	82.0	86.0	90.0	94.0	94.0	95.3	95.3	96.0	96.0	96.0	96.0	96.0
≥ 600	62.7	82.0	86.0	90.0	94.0	94.0	96.0	96.0	96.7	96.7	96.7	96.7	96.7
≥ 500	62.7	82.0	86.0	90.7	94.7	94.7	96.7	96.7	97.3	97.3	97.3	97.3	97.3
≥ 400	62.7	82.0	86.0	90.7	94.7	94.7	96.7	96.7	97.3	97.3	97.3	97.3	97.3
≥ 300	62.7	82.0	86.0	90.7	95.3	95.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0
≥ 200	62.7	82.0	86.0	91.3	96.0	96.0	98.0	98.0	98.7	99.3	99.3	99.3	99.3
≥ 100	62.7	82.0	86.0	91.3	96.0	96.0	98.0	98.0	98.7	99.3	99.3	99.3	99.3
≥ 0	62.7	82.0	86.0	91.3	96.0	96.0	98.0	98.0	98.7	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 150

CEILING VERSUS VISIBILITY

14855
STATION

GLENVIEW, ILLINOIS

73-77

STATION NAME

YEARS

SEP
MONTH06
HOURS (L.S.T.)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	32.0	40.0	42.7	45.3	47.3	48.7	50.0	50.0	50.0	50.7	50.7	50.7	50.7	50.7
≥ 20000	34.0	42.0	44.7	47.3	49.3	50.7	53.3	53.3	53.3	54.7	54.7	54.7	54.7	54.7
≥ 18000	34.0	42.0	44.7	47.3	49.3	50.7	53.3	53.3	53.3	54.7	54.7	54.7	54.7	54.7
≥ 16000	34.0	42.0	44.7	47.3	49.3	50.7	53.3	53.3	53.3	54.7	54.7	54.7	54.7	54.7
≥ 14000	34.0	42.7	45.3	48.0	50.0	51.3	54.0	54.0	54.0	55.3	55.3	55.3	55.3	55.3
≥ 12000	34.7	44.0	46.7	49.3	51.3	52.7	55.3	55.3	55.3	56.7	56.7	56.7	56.7	56.7
≥ 10000	36.7	46.0	48.7	51.3	53.3	54.7	57.3	57.3	57.3	58.7	58.7	58.7	58.7	58.7
≥ 9000	36.7	46.0	48.7	51.3	53.3	54.7	57.3	57.3	57.3	58.7	58.7	58.7	58.7	58.7
≥ 8000	38.0	48.7	51.3	54.7	57.3	58.7	61.3	61.3	61.3	62.7	62.7	62.7	62.7	62.7
≥ 7000	39.3	50.7	54.7	58.7	61.3	62.7	65.3	65.3	65.3	66.7	66.7	66.7	66.7	66.7
≥ 6000	39.3	50.7	54.7	58.7	61.3	62.7	65.3	65.3	65.3	66.7	66.7	66.7	66.7	66.7
≥ 5000	41.3	53.3	57.3	61.3	64.0	65.3	68.0	68.0	68.0	69.3	69.3	69.3	69.3	69.3
≥ 4500	42.0	54.0	58.0	62.0	64.7	66.7	69.3	69.3	69.3	70.7	70.7	70.7	70.7	70.7
≥ 4000	43.3	56.7	61.3	65.3	68.0	70.0	73.3	73.3	73.3	74.7	74.7	74.7	74.7	74.7
≥ 3500	44.7	58.7	63.3	67.3	70.0	72.0	75.3	75.3	75.3	76.7	76.7	76.7	76.7	76.7
≥ 3000	44.7	58.7	63.3	67.3	70.7	72.7	76.0	76.0	76.0	77.3	77.3	77.3	77.3	77.3
≥ 2500	45.3	60.7	66.0	70.0	73.3	75.3	78.7	78.7	78.7	80.0	80.0	80.0	80.0	80.0
≥ 2000	46.7	62.7	68.7	74.0	77.3	79.3	82.7	82.7	82.7	84.0	84.0	84.0	84.0	84.0
≥ 1800	47.3	63.3	70.0	76.0	79.3	81.3	84.7	84.7	84.7	86.7	86.7	86.7	86.7	86.7
≥ 1500	48.0	64.0	70.7	76.7	80.0	82.7	86.0	86.0	86.0	88.0	88.0	88.0	88.0	88.0
≥ 1200	48.0	64.0	70.7	76.7	81.3	84.0	87.3	87.3	87.3	89.3	89.3	89.3	89.3	89.3
≥ 1000	48.0	64.7	72.0	80.0	83.3	86.0	89.3	89.3	89.3	91.3	91.3	91.3	91.3	91.3
≥ 900	48.0	64.7	72.0	80.0	83.3	87.3	90.7	90.7	90.7	92.7	92.7	92.7	92.7	92.7
≥ 800	48.0	64.7	72.0	80.0	84.0	88.0	91.3	91.3	91.3	93.3	93.3	93.3	93.3	93.3
≥ 700	48.0	64.7	72.7	80.7	84.7	88.7	92.0	92.7	92.7	94.7	94.7	94.7	94.7	94.7
≥ 600	48.0	64.7	72.7	80.7	84.7	88.7	92.0	92.7	92.7	94.7	94.7	94.7	94.7	94.7
≥ 500	48.0	64.7	72.7	80.7	84.7	88.7	92.0	92.7	92.7	94.7	94.7	94.7	94.7	94.7
≥ 400	48.0	65.3	73.3	81.3	85.3	89.3	92.7	94.7	94.7	96.7	96.7	96.7	96.7	96.7
≥ 300	48.0	65.3	73.3	81.3	86.7	90.7	94.7	96.7	96.7	98.7	98.7	98.7	98.7	98.7
≥ 200	48.0	65.3	73.3	81.3	86.7	90.7	94.7	96.7	96.7	98.7	98.7	98.7	98.7	98.7
≥ 100	48.0	65.3	73.3	81.3	86.7	90.7	94.7	96.7	96.7	98.7	98.7	98.7	98.7	98.7
≥ 0	48.0	65.3	73.3	81.3	86.7	90.7	94.7	96.7	96.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

09
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	37.3	45.3	48.0	49.3	49.3	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 20000	38.7	46.0	50.7	52.0	52.7	53.3	53.3	53.3	53.3	54.0	54.0	54.0	54.0
≥ 18000	38.7	46.0	50.7	52.0	52.7	53.3	53.3	53.3	53.3	54.0	54.0	54.0	54.0
≥ 16000	38.7	46.0	50.7	52.0	52.7	53.3	53.3	53.3	53.3	54.0	54.0	54.0	54.0
≥ 14000	38.7	46.0	50.7	52.0	52.7	53.3	53.3	53.3	53.3	54.0	54.0	54.0	54.0
≥ 12000	39.3	46.7	52.0	53.3	54.0	54.7	54.7	54.7	54.7	55.3	55.3	55.3	55.3
≥ 10000	42.7	52.0	55.3	57.3	58.7	59.3	59.3	59.3	59.3	60.0	60.0	60.0	60.0
≥ 9000	42.7	53.3	56.7	58.7	60.0	60.7	60.7	60.7	60.7	61.3	61.3	61.3	61.3
≥ 8000	45.3	57.3	60.7	62.7	64.0	64.7	64.7	64.7	64.7	65.3	65.3	65.3	65.3
≥ 7000	47.3	60.0	63.3	66.0	67.3	68.0	68.0	68.0	68.0	68.7	68.7	68.7	68.7
≥ 6000	47.3	60.7	64.0	66.7	68.0	68.7	68.7	68.7	68.7	69.3	69.3	69.3	69.3
≥ 5000	47.3	62.0	65.3	68.0	70.0	70.7	70.7	70.7	70.7	71.3	71.3	71.3	71.3
≥ 4500	48.7	64.0	68.0	70.7	72.7	73.3	73.3	73.3	73.3	74.0	74.0	74.0	74.0
≥ 4000	49.3	64.7	69.3	72.7	74.7	76.0	76.0	76.0	76.0	76.7	76.7	76.7	76.7
≥ 3500	49.3	64.7	70.7	74.0	76.0	77.3	77.3	77.3	77.3	78.0	78.0	78.0	78.0
≥ 3000	50.7	66.0	72.0	75.3	78.0	79.3	79.3	79.3	79.3	80.0	80.0	80.0	80.0
≥ 2500	52.0	69.3	75.3	78.7	81.3	82.7	82.7	82.7	82.7	83.3	83.3	83.3	83.3
≥ 2000	52.7	71.3	77.3	82.0	84.7	86.0	86.0	86.0	86.0	87.3	87.3	87.3	87.3
≥ 1800	54.0	72.7	78.7	83.3	86.0	87.3	87.3	87.3	87.3	88.7	88.7	88.7	88.7
≥ 1500	54.7	74.7	80.7	85.3	88.0	89.3	89.3	89.3	89.3	90.7	90.7	90.7	90.7
≥ 1200	54.7	76.0	82.7	88.0	90.7	92.0	92.0	92.0	92.0	93.3	93.3	93.3	93.3
≥ 1000	55.3	76.7	84.0	89.3	92.0	94.0	94.0	94.0	94.0	95.3	95.3	95.3	95.3
≥ 900	55.3	76.7	84.7	90.0	92.7	94.7	94.7	94.7	94.7	96.0	96.0	96.0	96.0
≥ 800	56.0	77.3	85.3	90.7	93.3	95.3	95.3	95.3	95.3	96.7	96.7	96.7	96.7
≥ 700	56.0	77.3	85.3	90.7	93.3	96.0	96.0	96.0	96.0	97.3	97.3	97.3	97.3
≥ 600	56.0	77.3	85.3	90.7	93.3	96.0	96.0	96.0	96.0	97.3	97.3	97.3	97.3
≥ 500	56.0	77.3	85.3	90.7	93.3	96.0	96.0	96.0	96.0	97.3	97.3	97.3	97.3
≥ 400	56.0	77.3	85.3	90.7	93.3	96.0	96.0	96.0	96.0	97.3	97.3	97.3	97.3
≥ 300	56.0	77.3	85.3	90.7	93.3	96.0	96.0	96.0	96.0	97.3	97.3	97.3	97.3
≥ 200	56.0	77.3	85.3	90.7	93.3	96.0	96.0	96.0	96.0	97.3	97.3	97.3	97.3
≥ 100	56.0	77.3	85.3	90.7	93.3	96.0	96.0	96.0	96.0	97.3	97.3	97.3	97.3
≥ 0	56.0	77.3	85.3	90.7	93.3	96.0	96.0	96.0	96.0	97.3	97.3	97.3	97.3

TOTAL NUMBER OF OBSERVATIONS 150

CEILING VERSUS VISIBILITY

14855
STATION

GLENVIEW, ILLINOIS

73-77

STATION NAME

YEARS

SEP
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)12
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	35.3	41.3	42.0	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 20000	42.0	50.0	50.7	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 18000	42.0	50.0	50.7	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 16000	42.0	50.0	50.7	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 14000	42.7	50.7	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 12000	44.7	53.3	54.0	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 10000	46.7	56.7	57.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 9000	46.7	56.7	57.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 8000	48.7	60.0	61.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 7000	49.3	61.3	63.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 6000	49.3	61.3	63.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 5000	50.7	64.0	66.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 4500	52.7	66.0	68.7	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 4000	54.7	69.3	72.0	74.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 3500	56.7	72.7	75.3	77.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3000	60.7	78.0	81.3	83.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 2500	61.3	82.0	85.3	87.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2000	62.7	83.3	87.3	89.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1800	64.0	84.7	88.7	90.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1500	64.7	86.0	90.7	92.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1200	64.7	87.3	92.0	94.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1000	64.7	87.3	92.0	94.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 900	64.7	88.0	92.7	94.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 800	64.7	88.0	93.3	95.3	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700	64.7	88.0	93.3	95.3	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	64.7	88.0	93.3	95.3	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 500	64.7	88.0	93.3	95.3	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400	64.7	88.0	93.3	95.3	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 300	64.7	88.0	93.3	95.3	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 200	64.7	88.0	93.3	95.3	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 100	64.7	88.0	93.3	95.3	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 0	64.7	88.0	93.3	95.3	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	38.7	45.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 20000	42.7	49.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 18000	42.7	49.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 16000	42.7	49.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 14000	43.3	50.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 12000	44.0	50.7	52.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 10000	46.0	53.3	56.0	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 9000	46.0	53.3	56.0	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 8000	50.0	59.3	62.0	62.7	63.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 7000	50.7	60.0	62.7	63.3	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 6000	52.7	62.0	64.7	65.3	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 5000	53.3	64.0	67.3	68.0	68.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 4500	54.7	65.3	68.7	69.3	70.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 4000	58.7	70.0	73.3	74.0	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 3500	60.7	73.3	76.7	77.3	78.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 3000	64.0	79.3	82.7	83.3	84.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 2500	64.7	80.0	83.3	84.0	85.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2000	67.3	83.3	88.0	88.7	90.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1800	67.3	83.3	88.0	88.7	90.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1500	67.3	83.3	88.0	88.7	90.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1200	67.3	84.0	88.7	89.3	90.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1000	67.3	84.0	88.7	89.3	90.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 900	67.3	84.7	89.3	91.3	93.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 800	67.3	84.7	89.3	91.3	93.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 700	67.3	84.7	89.3	91.3	93.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 600	67.3	84.7	89.3	91.3	93.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 500	67.3	85.3	90.0	92.0	94.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 400	67.3	85.3	90.0	92.0	94.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 300	67.3	85.3	90.0	92.0	94.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 200	67.3	85.3	90.0	92.0	94.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 100	67.3	85.3	90.0	92.0	94.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 0	67.3	85.3	90.0	92.0	94.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

14855
STATIONGLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

SEP
MONTH18
HOURS (LST)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	39.3	46.7	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 20000	44.0	54.0	58.0	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 18000	44.0	54.0	58.0	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 16000	44.0	54.0	58.0	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 14000	44.7	54.7	58.7	59.3	60.0	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 12000	46.7	57.3	61.3	62.0	62.7	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 10000	48.7	59.3	64.0	64.7	65.3	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 9000	49.3	60.0	64.7	65.3	66.0	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 8000	54.0	64.7	70.0	70.7	71.3	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 7000	55.3	66.0	72.0	72.7	73.3	73.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 6000	55.3	66.0	72.0	72.7	73.3	73.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 5000	56.0	66.7	72.7	73.3	74.0	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 4500	58.0	68.7	74.7	75.3	76.0	76.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 4000	59.3	70.0	76.0	76.7	78.7	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3500	60.7	72.0	78.0	78.7	80.7	80.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 3000	63.3	75.3	82.0	82.7	84.7	84.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2500	64.0	76.7	84.0	84.7	86.7	86.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 2000	65.3	78.7	86.0	88.0	90.7	90.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1800	65.3	78.7	86.0	88.0	90.7	90.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1500	65.3	79.3	86.7	88.7	91.3	91.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1200	66.0	80.0	87.3	88.3	92.0	92.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1000	66.0	80.7	88.0	90.0	93.3	93.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 900	66.0	80.7	88.0	90.0	93.3	94.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 800	66.0	80.7	88.7	90.7	94.0	94.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 700	66.0	80.7	88.7	91.3	94.7	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 600	66.0	80.7	88.7	91.3	94.7	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 500	66.0	81.3	89.3	92.0	95.3	96.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	66.0	81.3	89.3	92.0	95.3	96.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	66.0	81.3	89.3	92.0	95.3	96.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	66.0	81.3	89.3	92.0	95.3	96.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	66.0	81.3	89.3	92.0	95.3	96.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3
0	66.0	81.3	89.3	92.0	95.3	96.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	47.3	54.7	56.0	56.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 20000	50.0	59.3	61.3	61.3	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 18000	50.0	59.3	61.3	61.3	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 16000	50.0	59.3	61.3	61.3	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 14000	50.0	59.3	61.3	61.3	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 12000	50.7	60.0	62.0	62.0	63.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 10000	53.3	64.0	66.0	66.0	67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 9000	54.0	65.3	67.3	67.3	68.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 8000	58.7	71.3	73.3	73.3	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 7000	60.0	72.7	74.7	75.3	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 6000	61.3	74.0	76.0	76.7	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 5000	62.0	74.7	77.3	78.0	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4500	63.3	76.7	80.0	80.7	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 4000	64.7	78.7	82.7	83.3	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 3500	65.3	79.3	84.0	84.7	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 3000	66.7	81.3	86.0	86.7	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2500	66.7	81.3	86.0	86.7	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2000	68.0	82.7	87.3	88.0	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1800	68.0	82.7	87.3	88.0	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1500	69.3	84.0	88.7	89.3	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1200	69.3	84.7	89.3	90.0	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1000	69.3	85.3	90.0	90.7	92.7	93.3	94.0	94.7	94.7	94.7	94.7	94.7	94.7
≥ 900	70.0	86.0	90.7	91.3	93.3	94.0	94.7	95.3	95.3	95.3	95.3	95.3	95.3
≥ 800	70.0	86.0	90.7	92.0	94.0	94.7	95.3	96.0	96.0	96.0	96.0	96.0	96.0
≥ 700	70.0	86.0	90.7	92.0	94.0	94.7	95.3	96.0	96.7	96.7	96.7	96.7	96.7
≥ 600	70.0	86.0	90.7	92.0	94.0	94.7	95.3	96.0	96.7	96.7	96.7	96.7	96.7
≥ 500	70.0	86.7	91.3	92.7	94.7	95.3	96.0	96.7	98.0	98.0	98.0	98.0	98.0
≥ 400	70.0	86.7	92.0	93.3	95.3	96.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	70.0	86.7	92.0	93.3	95.3	96.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	70.0	86.7	92.0	93.3	95.3	96.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	70.0	86.7	92.0	93.3	95.3	96.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	70.0	86.7	92.0	93.3	95.3	96.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 150

CEILING VERSUS VISIBILITY

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	39.8	47.5	49.5	50.4	51.1	51.3	51.8	51.8	51.8	52.0	52.0	52.0	52.0
≥ 20000	43.0	51.7	53.8	54.8	55.7	56.0	56.6	56.6	56.6	57.0	57.0	57.0	57.0
≥ 18000	43.0	51.7	53.8	54.8	55.7	56.0	56.6	56.6	56.6	57.0	57.0	57.0	57.0
≥ 16000	43.0	51.7	53.8	54.8	55.7	56.0	56.6	56.6	56.6	57.0	57.0	57.0	57.0
≥ 14000	43.3	52.0	54.2	55.1	56.0	56.3	57.0	57.0	57.0	57.4	57.4	57.4	57.4
≥ 12000	44.4	53.6	55.8	56.9	57.8	58.2	58.8	58.8	59.3	59.3	59.3	59.3	59.3
≥ 10000	47.0	56.8	59.2	60.4	61.4	61.8	62.4	62.4	62.8	62.8	62.8	62.8	62.8
≥ 9000	47.2	57.2	59.6	60.8	61.8	62.2	62.8	62.8	63.3	63.3	63.3	63.3	63.3
≥ 8000	50.7	61.9	64.6	66.0	67.2	67.6	68.3	68.3	68.7	68.7	68.7	68.7	68.7
≥ 7000	52.1	63.8	66.8	68.4	69.6	70.0	70.7	70.7	71.1	71.1	71.1	71.1	71.1
≥ 6000	52.7	64.5	67.5	69.2	70.3	70.8	71.4	71.4	71.8	71.8	71.8	71.8	71.8
≥ 5000	53.8	66.3	69.8	71.5	72.8	73.2	73.9	73.9	74.3	74.3	74.3	74.3	74.3
≥ 4500	54.9	67.8	71.6	73.3	74.7	75.2	76.0	76.0	76.4	76.4	76.4	76.4	76.4
≥ 4000	56.4	69.8	73.9	75.8	77.6	78.2	79.1	79.1	79.5	79.5	79.5	79.5	79.5
≥ 3500	57.6	71.4	75.8	77.7	79.5	80.3	81.2	81.2	81.6	81.6	81.6	81.6	81.6
≥ 3000	59.3	74.0	78.6	80.6	82.6	83.3	84.3	84.3	84.7	84.7	84.7	84.7	84.7
≥ 2500	60.3	75.8	80.6	82.6	84.7	85.4	86.3	86.4	86.8	86.8	86.8	86.8	86.8
≥ 2000	61.5	77.6	82.7	85.2	87.3	88.2	89.1	89.2	89.3	89.7	89.7	89.7	89.7
≥ 1800	61.9	78.1	83.3	85.9	88.1	88.9	89.8	89.9	90.0	90.5	90.5	90.5	90.5
≥ 1500	62.3	79.0	84.3	86.9	89.1	90.0	90.9	91.1	91.2	91.8	91.8	91.8	91.8
≥ 1200	62.6	79.8	85.1	88.2	90.3	91.3	92.3	92.4	92.5	93.1	93.1	93.1	93.1
≥ 1000	62.7	80.3	86.0	89.4	91.8	92.8	94.0	94.3	94.3	94.9	94.9	95.0	95.0
900	62.8	80.6	86.4	89.8	92.3	93.6	94.8	95.2	95.3	95.8	95.8	95.9	95.9
800	62.8	80.7	86.7	90.2	92.8	94.1	95.3	95.8	95.8	96.4	96.4	96.5	96.5
700	62.8	80.7	86.8	90.3	92.9	94.3	95.7	96.3	96.3	96.9	96.9	97.0	97.0
600	62.8	80.7	86.8	90.3	92.9	94.3	95.8	96.3	96.4	97.0	97.0	97.1	97.1
500	62.8	80.9	87.0	90.7	93.3	94.8	96.4	97.2	97.3	97.9	97.9	98.0	98.0
400	62.8	81.0	87.3	90.9	93.8	95.0	96.8	97.8	97.8	98.5	98.5	98.6	98.6
300	62.8	81.0	87.3	90.9	93.8	95.3	97.1	98.3	98.4	99.1	99.1	99.2	99.2
200	62.8	81.0	87.3	91.0	93.8	95.3	97.2	98.4	98.5	99.2	99.3	99.4	99.4
100	62.8	81.0	87.3	91.0	93.8	95.3	97.2	98.4	98.5	99.2	99.3	99.4	99.4
0	62.8	81.0	87.3	91.0	93.8	95.3	97.2	98.4	98.5	99.2	99.3	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS

1200

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14955
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	44.5	53.6	54.2	56.8	59.4	59.4	60.0	60.0	60.0	60.0	60.0	60.0
≥ 20000	47.1	56.1	56.8	59.4	61.9	61.9	62.6	62.6	62.6	62.6	62.6	62.6
≥ 18000	47.1	56.1	56.8	59.4	61.9	61.9	62.6	62.6	62.6	62.6	62.6	62.6
≥ 16000	47.1	56.1	56.8	59.4	61.9	61.9	62.6	62.6	62.6	62.6	62.6	62.6
≥ 14000	47.1	56.1	56.8	59.4	61.9	61.9	62.6	62.6	62.6	62.6	62.6	62.6
≥ 12000	47.7	56.8	57.4	60.0	62.6	62.6	63.2	63.2	63.2	63.2	63.2	63.2
≥ 10000	51.0	61.9	62.6	65.2	67.7	67.7	68.4	68.4	68.4	68.4	68.4	68.4
≥ 9000	51.0	61.9	62.6	65.2	67.7	67.7	68.4	68.4	68.4	68.4	68.4	68.4
≥ 8000	54.2	67.1	67.7	70.3	72.9	72.9	73.6	73.6	73.6	73.6	73.6	73.6
≥ 7000	55.5	69.0	69.7	72.3	74.8	74.8	75.5	75.5	75.5	75.5	75.5	75.5
≥ 6000	56.1	69.7	70.3	72.9	75.5	75.5	76.1	76.1	76.1	76.1	76.1	76.1
≥ 5000	57.4	71.6	72.3	74.8	77.4	77.4	78.1	78.1	78.1	78.1	78.1	78.1
≥ 4500	59.4	74.2	74.8	77.4	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7
≥ 4000	60.7	75.5	76.1	78.7	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9
≥ 3500	60.7	75.5	76.1	78.7	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9
≥ 3000	61.9	77.4	78.7	82.6	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5
≥ 2500	62.6	78.1	80.0	83.9	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7
≥ 2000	65.8	82.6	84.5	88.4	91.6	91.6	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800	66.5	83.2	85.2	89.0	92.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1500	66.5	83.9	85.8	89.7	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1200	66.5	84.5	86.5	90.3	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1000	66.5	85.2	87.1	91.0	94.2	94.2	95.5	95.5	95.5	95.5	95.5	95.5
≥ 900	66.5	85.2	87.1	91.0	94.2	94.2	95.5	95.5	95.5	95.5	95.5	95.5
≥ 800	66.5	85.2	87.1	91.0	94.2	94.2	95.5	95.5	95.5	95.5	95.5	95.5
≥ 700	66.5	85.2	87.1	91.0	94.2	94.2	95.5	95.5	95.5	95.5	95.5	95.5
≥ 600	66.5	85.2	87.1	91.0	94.2	94.2	95.5	95.5	95.5	95.5	95.5	95.5
≥ 500	66.5	85.2	87.1	91.0	94.2	94.2	95.5	95.5	95.5	95.5	95.5	95.5
≥ 400	66.5	85.2	87.1	91.0	94.2	94.2	95.5	95.5	95.5	95.5	95.5	95.5
≥ 300	66.5	85.2	87.1	91.0	94.2	94.2	95.5	95.5	95.5	95.5	95.5	95.5
≥ 200	66.5	85.2	87.1	91.0	94.2	94.2	95.5	95.5	95.5	95.5	95.5	95.5
≥ 100	66.5	85.2	87.1	91.0	94.2	94.2	95.5	95.5	95.5	95.5	95.5	95.5
0	66.5	85.2	87.1	91.0	94.2	94.2	95.5	95.5	95.5	95.5	95.5	95.5

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

14855
STATIONGLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

UCT
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)03
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	43.9	52.3	54.2	55.5	56.8	56.8	58.1	58.7	59.4	59.4	60.0	60.0	60.0	60.0
≥ 20000	46.5	55.5	57.4	58.7	60.0	60.0	61.3	61.9	62.6	62.6	63.2	63.2	63.2	63.2
≥ 18000	46.5	55.5	57.4	58.7	60.0	60.0	61.3	61.9	62.6	62.6	63.2	63.2	63.2	63.2
≥ 16000	46.5	55.5	57.4	58.7	60.0	60.0	61.3	61.9	62.6	62.6	63.2	63.2	63.2	63.2
≥ 14000	47.1	56.1	58.1	59.4	60.7	60.7	61.9	62.6	63.2	63.2	63.9	63.9	63.9	63.9
≥ 12000	47.7	56.8	58.7	60.0	61.3	61.3	62.6	63.2	63.9	63.9	64.5	64.5	64.5	64.5
≥ 10000	50.3	60.7	62.6	63.9	65.2	65.2	66.5	67.1	67.7	67.7	68.4	68.4	68.4	68.4
≥ 9000	50.3	60.7	62.6	63.9	65.2	65.2	66.5	67.1	67.7	67.7	68.4	68.4	68.4	68.4
≥ 8000	52.3	65.8	67.7	69.0	70.3	70.3	71.6	72.3	72.9	72.9	73.6	73.6	73.6	73.6
≥ 7000	54.2	68.4	70.3	72.3	73.6	73.6	74.8	75.5	76.1	76.1	76.8	76.8	76.8	76.8
≥ 6000	55.5	69.7	71.6	73.6	74.8	74.8	76.1	76.8	77.4	77.4	78.1	78.1	78.1	78.1
≥ 5000	57.4	72.9	74.8	76.8	78.1	78.1	80.0	80.7	81.3	81.3	81.9	81.9	81.9	81.9
≥ 4500	58.7	75.5	77.4	79.4	80.7	81.3	82.6	83.2	83.9	83.9	84.5	84.5	84.5	84.5
≥ 4000	59.4	76.8	78.7	80.7	81.9	82.6	83.9	84.5	85.2	85.2	85.8	85.8	85.8	85.8
≥ 3500	59.4	77.4	79.4	81.3	82.6	83.2	84.5	85.2	85.8	85.8	86.5	86.5	86.5	86.5
≥ 3000	60.7	80.0	81.9	83.9	85.2	85.8	87.1	87.7	88.4	88.4	89.0	89.0	89.0	89.0
≥ 2500	61.3	80.7	82.6	84.5	86.5	87.1	88.4	89.0	89.7	89.7	90.3	90.3	90.3	90.3
≥ 2000	61.9	81.3	83.2	85.2	87.1	87.7	89.0	89.7	90.3	90.3	91.0	91.0	91.0	91.0
≥ 1800	62.6	81.9	83.9	85.8	87.7	88.4	89.7	90.3	91.0	91.0	91.6	91.6	91.6	91.6
≥ 1500	62.6	82.6	85.2	87.7	89.7	90.3	92.9	93.6	94.2	94.2	94.8	94.8	94.8	94.8
≥ 1200	63.2	83.2	85.8	88.4	90.3	91.0	93.6	94.2	94.8	94.8	95.5	95.5	95.5	95.5
≥ 1000	63.2	84.5	87.1	89.7	91.6	92.3	94.8	95.5	96.1	96.1	96.8	96.8	96.8	96.8
≥ 900	63.2	84.5	87.1	89.7	91.6	92.3	94.8	95.5	96.1	96.1	96.8	96.8	96.8	96.8
≥ 800	63.2	84.5	87.1	89.7	91.6	92.3	94.8	95.5	96.1	96.1	96.8	96.8	96.8	96.8
≥ 700	63.2	84.5	87.1	91.0	92.9	93.6	96.8	97.4	98.1	98.1	98.7	98.7	98.7	98.7
≥ 600	63.2	84.5	87.1	91.0	93.6	94.2	96.8	97.4	98.1	98.1	98.7	98.7	98.7	98.7
≥ 500	63.2	84.5	87.1	91.6	94.2	94.8	97.4	98.1	98.7	98.7	99.4	99.4	99.4	99.4
≥ 400	63.2	84.5	87.1	92.3	94.8	95.5	98.1	98.7	99.4	99.4	100.0	100.0	100.0	100.0
≥ 300	63.2	84.5	87.1	92.3	94.8	95.5	98.1	98.7	99.4	99.4	100.0	100.0	100.0	100.0
≥ 200	63.2	84.5	87.1	92.3	94.8	95.5	98.1	98.7	99.4	99.4	100.0	100.0	100.0	100.0
≥ 100	63.2	84.5	87.1	92.3	94.8	95.5	98.1	98.7	99.4	99.4	100.0	100.0	100.0	100.0
≥ 0	63.2	84.5	87.1	92.3	94.8	95.5	98.1	98.7	99.4	99.4	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
14895STATION NAME
GLENVIEW, ILLINOIS

73-77

YEARS

OCT

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

06

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	35.5	41.9	46.5	48.4	51.0	51.0	51.6	51.6	51.6	52.9	52.9	52.9	52.9	53.6
≥ 20000	36.8	43.2	49.0	51.0	53.6	53.6	54.2	54.2	54.2	55.5	56.1	56.1	56.1	56.8
≥ 18000	36.8	43.2	49.0	51.0	53.6	53.6	54.2	54.2	54.2	55.5	56.1	56.1	56.1	56.8
≥ 16000	36.8	43.2	49.0	51.0	53.6	53.6	54.2	54.2	54.2	55.5	56.1	56.1	56.1	56.8
≥ 14000	36.8	43.2	49.0	51.0	53.6	53.6	54.2	54.2	54.2	55.5	56.1	56.1	56.1	56.8
≥ 12000	38.1	44.5	50.3	52.3	54.8	54.8	55.5	55.5	55.5	57.4	57.4	57.4	57.4	58.1
≥ 10000	40.0	47.1	52.9	54.8	58.1	58.1	58.7	58.7	58.7	60.7	60.7	60.7	60.7	61.3
≥ 9000	40.0	47.1	52.9	54.8	58.1	58.1	58.7	58.7	58.7	60.7	60.7	60.7	60.7	61.3
≥ 8000	43.9	52.3	60.7	62.6	65.8	65.8	66.5	66.5	66.5	67.7	68.4	68.4	68.4	69.0
≥ 7000	45.2	54.2	62.6	64.5	68.4	68.4	69.0	69.0	69.0	70.3	71.0	71.0	71.0	71.6
≥ 6000	46.5	55.5	63.9	65.8	69.7	69.7	70.3	70.3	70.3	71.6	72.3	72.3	72.3	72.9
≥ 5000	46.5	56.1	64.5	66.5	70.3	70.3	71.0	71.0	71.0	72.3	72.9	72.9	72.9	73.6
≥ 4500	47.7	58.1	66.5	68.4	72.3	72.3	72.9	72.9	72.9	74.2	74.8	74.8	74.8	75.5
≥ 4000	48.4	58.7	67.1	69.7	73.6	73.6	74.2	74.2	74.2	75.5	76.1	76.1	76.1	76.8
≥ 3500	49.7	60.7	69.0	71.6	75.5	75.5	76.1	76.1	76.1	77.4	78.1	78.1	78.1	78.7
≥ 3000	50.3	61.3	69.7	72.3	76.1	76.1	76.8	76.8	76.8	78.1	78.7	78.7	78.7	79.4
≥ 2500	52.9	64.5	72.9	76.1	80.0	80.0	80.7	81.3	81.3	82.6	83.2	83.2	83.2	83.9
≥ 2000	52.9	66.5	74.8	78.7	82.6	82.6	83.2	83.9	83.9	85.2	85.8	85.8	85.8	86.5
≥ 1800	52.9	66.5	74.8	78.7	82.6	82.6	83.2	83.9	83.9	85.2	85.8	85.8	85.8	86.5
≥ 1500	54.8	69.0	77.4	81.3	86.5	86.5	87.1	87.7	87.7	89.0	89.7	89.7	89.7	90.3
≥ 1200	56.1	71.0	79.4	83.2	88.4	88.4	89.0	89.7	89.7	91.0	91.6	91.6	91.6	92.3
≥ 1000	56.1	71.6	80.0	83.9	89.0	89.0	89.7	91.0	91.6	92.9	93.6	93.6	93.6	94.2
≥ 900	56.1	71.6	80.0	83.9	89.0	89.0	89.7	91.0	91.6	92.9	93.6	93.6	93.6	94.2
≥ 800	56.1	71.6	80.0	83.9	89.0	89.0	89.7	91.0	91.6	92.9	93.6	93.6	93.6	94.2
≥ 700	56.1	71.6	80.0	83.9	89.0	89.0	89.7	91.0	91.6	92.9	93.6	93.6	93.6	94.2
≥ 600	56.1	72.3	80.7	84.5	90.3	90.3	91.0	92.3	92.9	94.2	94.8	94.8	94.8	95.5
≥ 500	56.1	72.3	80.7	85.2	91.0	91.0	91.6	92.9	93.6	94.2	94.8	94.8	94.8	95.5
≥ 400	56.1	72.3	80.7	85.2	91.0	91.0	91.6	92.9	93.6	94.2	94.8	94.8	94.8	95.5
≥ 300	56.1	72.3	80.7	85.2	91.0	91.0	91.6	92.9	93.6	94.2	94.8	94.8	94.8	95.5
≥ 200	56.1	72.3	80.7	85.2	91.0	91.0	91.6	92.9	93.6	94.2	94.8	94.8	94.8	95.5
≥ 100	56.1	72.3	80.7	85.2	91.0	91.0	91.6	92.9	93.6	94.2	94.8	94.8	94.8	95.5
0	56.1	72.3	80.7	85.2	91.0	91.0	91.6	92.9	93.6	94.2	94.8	94.8	94.8	95.5

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855
STATIONGLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

OCT
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)09
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	29.7	45.2	47.1	48.4	49.7	51.0	51.6	52.3	52.9	52.9	52.9	52.9	52.9
≥ 20000	34.2	50.3	52.3	53.6	54.8	56.1	56.8	57.4	58.1	58.1	58.1	58.1	58.1
≥ 18000	34.8	51.0	52.9	54.2	55.5	56.8	57.4	58.1	58.7	58.7	58.7	58.7	58.7
≥ 16000	34.8	51.0	52.9	54.2	55.5	56.8	57.4	58.1	58.7	58.7	58.7	58.7	58.7
≥ 14000	35.5	51.6	53.6	54.8	56.1	57.4	58.1	58.7	59.4	59.4	59.4	59.4	59.4
≥ 12000	35.5	51.6	53.6	54.8	56.1	57.4	58.1	58.7	59.4	59.4	59.4	59.4	59.4
≥ 10000	37.4	54.8	56.8	58.7	60.0	61.3	61.9	62.6	63.2	63.2	63.2	63.2	63.2
≥ 9000	37.4	54.8	56.8	58.7	60.0	61.3	61.9	62.6	63.2	63.2	63.2	63.2	63.2
≥ 8000	40.0	58.7	60.7	62.6	64.5	65.8	67.1	67.7	68.4	68.4	68.4	68.4	68.4
≥ 7000	40.7	60.0	61.9	63.9	65.8	67.1	68.4	69.0	69.7	69.7	69.7	69.7	69.7
≥ 6000	41.3	61.3	63.2	65.2	67.1	68.4	69.7	70.3	71.0	71.0	71.0	71.0	71.0
≥ 5000	43.2	63.2	65.2	67.1	69.0	70.3	71.6	72.3	72.9	72.9	72.9	72.9	72.9
≥ 4500	44.5	64.5	66.5	68.4	70.3	71.6	72.9	73.6	74.2	74.2	74.2	74.2	74.2
≥ 4000	45.2	65.2	67.1	69.0	71.0	72.3	73.6	74.2	74.8	74.8	74.8	74.8	74.8
≥ 3500	47.1	67.1	70.3	72.3	74.2	75.5	76.8	77.4	78.1	78.1	78.1	78.1	78.1
≥ 3000	49.0	70.3	73.6	75.5	78.1	79.4	80.7	81.3	81.9	81.9	81.9	81.9	81.9
≥ 2500	50.3	72.3	75.5	77.4	80.0	81.3	82.6	83.2	83.9	83.9	83.9	83.9	83.9
≥ 2000	50.3	72.9	76.1	78.1	80.7	81.9	83.2	83.9	84.5	84.5	84.5	84.5	84.5
≥ 1800	51.0	73.6	76.8	78.7	81.3	82.6	83.9	84.5	85.2	85.2	85.2	85.2	85.2
≥ 1500	52.3	74.8	78.1	80.7	83.9	85.2	86.5	87.1	87.7	87.7	87.7	87.7	87.7
≥ 1200	52.3	74.8	78.1	80.7	83.9	85.2	86.5	87.1	87.7	87.7	87.7	87.7	87.7
≥ 1000	52.3	75.5	81.3	83.9	87.1	88.4	89.7	90.3	91.0	91.0	91.0	91.0	91.0
≥ 900	52.3	76.8	82.6	85.8	90.3	91.6	94.2	94.8	95.5	95.5	95.5	95.5	95.5
≥ 800	52.3	76.8	82.6	85.8	90.3	91.6	94.2	94.8	95.5	95.5	95.5	95.5	95.5
≥ 700	52.3	77.4	83.9	87.1	91.6	92.9	95.5	96.8	97.4	97.4	97.4	97.4	97.4
≥ 600	52.3	77.4	83.9	87.1	91.6	92.9	95.5	96.8	97.4	97.4	97.4	97.4	97.4
≥ 500	52.3	77.4	83.9	87.1	91.6	93.6	96.1	97.4	98.1	98.1	98.1	98.1	98.1
≥ 400	52.3	77.4	83.9	87.1	91.6	93.6	96.1	97.4	98.1	98.1	98.1	98.1	98.1
≥ 300	52.3	77.4	83.9	87.1	91.6	93.6	96.1	97.4	98.1	98.1	98.1	98.1	98.1
≥ 200	52.3	77.4	83.9	87.1	91.6	93.6	96.1	97.4	98.1	98.1	98.1	98.1	98.1
≥ 100	52.3	77.4	83.9	87.1	91.6	93.6	96.1	97.4	98.1	98.1	98.1	98.1	98.1
≥ 0	52.3	77.4	83.9	87.1	91.6	93.6	96.1	97.4	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

14855
STATIONGLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

OCT
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)12
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	38.1	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 20000	41.3	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 18000	41.3	58.1	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 16000	41.3	58.1	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 14000	41.3	58.1	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 12000	41.9	59.4	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 10000	44.5	63.2	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 9000	44.5	63.9	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 8000	45.2	64.5	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 7000	46.5	65.8	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 6000	46.5	65.8	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 5000	47.1	66.5	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 4500	47.7	67.1	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 4000	49.0	68.4	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 3500	49.7	69.0	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 3000	54.2	73.6	75.5	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 2500	58.1	78.1	80.0	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2000	60.0	80.7	82.6	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1800	60.0	80.7	82.6	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1500	61.9	84.5	86.5	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1200	62.6	86.5	88.4	89.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1000	63.2	87.1	90.3	91.6	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 900	63.2	87.1	90.3	91.6	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 800	63.2	87.1	90.3	91.6	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 700	63.2	87.7	91.0	92.3	93.6	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 600	63.2	87.7	91.0	92.3	93.6	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 500	63.2	87.7	91.0	92.3	93.6	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 400	63.2	87.7	91.0	92.3	93.6	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 300	63.2	87.7	91.0	92.3	93.6	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 200	63.2	87.7	91.0	92.3	93.6	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 100	63.2	87.7	91.0	92.3	93.6	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 0	63.2	87.7	91.0	92.3	93.6	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4

TOTAL NUMBER OF OBSERVATIONS

155

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	43.9	52.9	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 20000	47.1	56.8	57.4	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 18000	47.1	56.8	57.4	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 16000	47.1	56.8	57.4	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 14000	47.7	57.4	58.1	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 12000	50.3	60.7	61.3	61.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 10000	54.8	65.2	65.8	66.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 9000	54.8	65.2	65.8	66.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 8000	56.1	68.4	69.0	69.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 7000	58.1	70.3	71.6	72.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 6000	58.1	70.3	71.6	72.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 5000	58.1	71.0	72.3	72.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 4500	58.7	72.3	73.6	75.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 4000	60.7	74.8	76.1	78.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3500	60.7	74.8	76.1	78.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3000	62.6	76.8	78.1	80.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 2500	63.2	78.1	79.4	81.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2000	65.2	80.7	82.6	85.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1800	66.5	81.9	83.9	86.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1500	69.0	87.1	89.0	91.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1200	69.7	87.7	89.7	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1000	70.3	88.4	90.3	92.9	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 900	70.3	88.4	90.3	92.6	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 800	70.3	88.4	90.3	92.6	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 700	70.3	88.4	91.6	94.8	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 600	70.3	88.4	91.6	94.8	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 500	70.3	88.4	91.6	94.8	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 400	70.3	88.4	91.6	94.8	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 300	70.3	88.4	91.6	94.8	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 200	70.3	88.4	91.6	94.8	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 100	70.3	88.4	91.6	94.8	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
0	70.3	88.4	91.6	94.8	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

18
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	40.0	47.1	49.0	49.0	51.0	51.6	52.3	52.3	52.3	52.3	52.3	52.3
≥ 20000	45.8	52.9	54.8	54.8	56.8	58.1	58.7	58.7	58.7	58.7	58.7	58.7
≥ 18000	45.8	52.9	55.5	55.5	57.4	58.7	59.4	59.4	59.4	59.4	59.4	59.4
≥ 16000	45.8	52.9	55.5	55.5	57.4	58.7	59.4	59.4	59.4	59.4	59.4	59.4
≥ 14000	46.5	53.6	56.1	56.1	58.1	59.4	60.0	60.0	60.0	60.0	60.0	60.0
≥ 12000	47.1	54.2	56.8	56.8	58.7	60.0	60.7	60.7	60.7	60.7	60.7	60.7
≥ 10000	49.7	57.4	60.0	60.0	61.9	63.2	63.9	63.9	63.9	63.9	63.9	63.9
≥ 9000	51.0	59.4	61.9	61.9	63.9	65.2	65.8	65.8	65.8	65.8	65.8	65.8
≥ 8000	56.3	65.8	68.4	68.4	71.0	72.3	72.9	72.9	72.9	72.9	72.9	72.9
≥ 7000	58.1	67.1	71.0	71.0	73.6	74.8	75.5	75.5	75.5	75.5	75.5	75.5
≥ 6000	58.1	67.1	71.0	71.0	73.6	74.8	75.5	75.5	75.5	75.5	75.5	75.5
≥ 5000	59.4	69.7	73.6	73.6	76.1	77.4	78.1	78.1	78.1	78.1	78.1	78.1
≥ 4500	59.4	69.7	73.6	73.6	76.1	77.4	78.1	78.1	78.1	78.1	78.1	78.1
≥ 4000	60.7	71.0	75.5	75.5	78.1	79.4	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3500	61.9	72.9	77.4	77.4	80.7	81.9	83.2	83.2	83.2	83.2	83.2	83.2
≥ 3000	63.9	76.1	81.3	81.3	84.5	85.8	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2500	63.9	76.1	81.3	81.3	85.2	86.5	87.7	87.7	87.7	87.7	87.7	87.7
≥ 2000	66.5	78.7	83.9	83.9	89.0	90.3	91.6	91.6	91.6	91.6	92.3	92.3
≥ 1800	67.1	79.4	84.5	84.5	89.7	91.0	92.3	92.3	92.3	92.3	92.9	92.9
≥ 1500	67.1	79.4	84.5	84.5	89.7	91.0	92.3	92.3	92.3	92.3	92.9	92.9
≥ 1200	68.4	81.3	86.5	86.5	91.6	93.6	94.8	94.8	94.8	94.8	95.5	95.5
≥ 1000	69.7	82.6	87.7	87.7	92.9	95.5	96.8	96.8	96.8	96.8	97.4	97.4
≥ 900	69.7	82.6	87.7	87.7	92.9	95.5	96.8	96.8	96.8	96.8	97.4	97.4
≥ 800	69.7	82.6	87.7	87.7	92.9	95.5	96.8	96.8	96.8	96.8	97.4	97.4
≥ 700	69.7	82.6	87.7	87.7	92.9	95.5	96.8	96.8	96.8	96.8	97.4	97.4
≥ 600	69.7	82.6	87.7	87.7	92.9	95.5	96.8	96.8	96.8	96.8	97.4	97.4
≥ 500	69.7	82.6	88.4	88.4	93.6	96.1	97.4	97.4	97.4	97.4	98.1	98.1
≥ 400	69.7	82.6	88.4	88.4	93.6	96.1	97.4	97.4	97.4	97.4	98.1	98.1
≥ 300	69.7	82.6	88.4	88.4	93.6	96.1	97.4	97.4	97.4	97.4	98.1	98.1
≥ 200	69.7	82.6	88.4	88.4	93.6	96.1	97.4	97.4	97.4	97.4	98.1	98.1
≥ 100	69.7	82.6	88.4	88.4	93.6	96.1	97.4	97.4	97.4	97.4	98.1	98.1
≥ 0	69.7	82.6	88.4	88.4	93.6	96.1	97.4	97.4	97.4	97.4	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	45.2	55.5	56.1	58.1	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 20000	46.5	57.4	58.1	60.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 18000	46.5	57.4	58.7	60.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 16000	46.5	57.4	58.7	60.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 14000	46.5	57.4	58.7	60.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 12000	47.1	58.1	59.4	61.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 10000	50.3	62.6	63.9	65.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 9000	51.0	63.9	65.2	67.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 8000	53.6	67.7	69.0	71.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 7000	55.5	71.0	72.3	74.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 6000	55.5	71.0	72.3	74.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 5000	56.8	72.3	73.6	75.5	76.8	76.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 4500	58.7	74.2	76.1	78.1	79.4	79.4	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4000	60.7	76.1	78.1	80.0	81.3	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 3500	61.3	76.8	78.7	80.7	81.9	81.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 3000	63.2	78.7	81.3	83.2	84.5	84.5	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 2500	63.9	80.0	82.6	84.5	85.8	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 2000	66.5	83.2	85.8	87.7	89.7	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1800	66.5	83.9	86.5	88.4	90.3	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1500	67.1	84.5	87.7	91.0	92.9	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1200	67.1	85.2	88.4	91.6	93.6	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1000	67.1	85.8	89.0	92.9	94.8	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 900	67.1	85.8	89.0	92.9	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800	67.1	85.8	89.0	92.9	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 700	67.1	85.8	89.0	92.9	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 600	67.1	85.8	89.0	92.9	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 500	67.1	85.8	89.0	92.9	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 400	67.1	85.8	89.0	92.9	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 300	67.1	85.8	89.0	92.9	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 200	67.1	85.8	89.0	92.9	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 100	67.1	85.8	89.0	92.9	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8
0	67.1	85.8	89.0	92.9	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14355
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	40.1	50.2	51.8	53.0	54.4	54.6	55.1	55.2	55.4	55.5	55.7	55.7	55.7
≥ 20000	43.2	53.7	55.5	56.7	58.2	58.5	59.0	59.1	59.3	59.4	59.6	59.6	59.7
≥ 18000	43.2	53.9	55.8	57.1	58.6	58.9	59.4	59.5	59.7	59.8	60.0	60.0	60.1
≥ 16000	43.2	53.9	55.8	57.1	58.6	58.9	59.4	59.5	59.7	59.8	60.0	60.0	60.1
≥ 14000	43.6	54.2	56.1	57.4	58.9	59.2	59.7	59.8	60.0	60.2	60.3	60.3	60.4
≥ 12000	44.4	55.2	57.2	58.5	60.0	60.3	60.8	61.0	61.1	61.3	61.5	61.5	61.5
≥ 10000	47.3	59.1	61.1	62.4	64.0	64.4	64.8	65.0	65.2	65.3	65.5	65.5	65.6
≥ 9000	47.5	59.6	61.5	62.9	64.5	64.9	65.4	65.6	65.7	65.9	66.1	66.1	66.1
≥ 8000	50.2	63.8	66.1	67.5	69.3	69.7	70.2	70.4	70.6	70.7	70.9	70.9	71.0
≥ 7000	51.7	65.7	68.3	69.8	71.6	72.0	72.6	72.7	72.9	73.1	73.2	73.2	73.3
≥ 6000	52.2	66.3	69.0	70.4	72.3	72.7	73.3	73.5	73.6	73.8	74.0	74.0	74.0
≥ 5000	53.2	67.9	70.6	72.0	73.9	74.4	75.0	75.2	75.4	75.6	75.7	75.7	75.9
≥ 4500	54.4	69.4	72.2	73.8	75.7	76.2	76.8	77.0	77.2	77.3	77.5	77.5	77.7
≥ 4000	55.6	70.8	73.6	75.3	77.2	77.8	78.4	78.6	78.8	79.0	79.1	79.1	79.3
≥ 3500	56.3	71.8	74.8	76.5	78.6	79.2	79.8	80.1	80.2	80.4	80.6	80.6	80.7
≥ 3000	58.2	74.3	77.5	79.4	81.6	82.3	82.9	83.2	83.3	83.5	83.6	83.6	83.8
≥ 2500	59.5	76.0	79.3	81.4	83.6	84.3	84.9	85.2	85.4	85.6	85.7	85.7	85.9
≥ 2000	61.1	78.3	81.7	84.0	86.4	87.0	87.7	88.1	88.2	88.4	88.6	88.6	88.8
≥ 1800	61.6	78.9	82.3	84.6	86.9	87.7	88.4	88.7	88.9	89.0	89.3	89.3	89.4
≥ 1500	62.7	80.7	84.3	86.9	89.5	90.2	91.1	91.5	91.6	91.9	92.1	92.1	92.3
≥ 1200	63.2	81.8	85.5	88.0	90.7	91.5	92.4	92.7	92.9	93.2	93.4	93.4	93.6
≥ 1000	63.6	82.6	86.6	89.4	92.1	93.2	94.2	94.6	94.8	95.0	95.2	95.2	95.5
≥ 900	63.6	82.7	86.8	89.8	92.7	93.8	95.0	95.4	95.7	95.9	96.1	96.1	96.4
≥ 800	63.6	82.7	86.8	89.8	92.8	94.1	95.4	95.8	96.1	96.3	96.5	96.5	96.8
≥ 700	63.6	82.9	87.2	90.3	93.4	94.7	96.1	96.6	96.9	97.3	97.5	97.5	97.7
≥ 600	63.6	83.0	87.3	90.4	93.6	94.8	96.3	96.9	97.1	97.5	97.7	97.7	98.0
≥ 500	63.6	83.0	87.3	90.7	93.8	95.2	96.7	97.4	97.7	98.1	98.3	98.3	98.6
≥ 400	63.6	83.0	87.3	90.8	94.0	95.5	97.0	97.8	98.1	98.6	98.9	99.0	99.2
≥ 300	63.6	83.0	87.3	90.8	94.0	95.6	97.2	98.0	98.2	98.7	99.0	99.2	99.6
≥ 200	63.6	83.0	87.3	90.8	94.0	95.6	97.2	98.0	98.2	98.8	99.1	99.3	99.8
≥ 100	63.6	83.0	87.3	90.8	94.0	95.6	97.2	98.0	98.2	98.8	99.1	99.3	99.9
≥ 0	63.6	83.0	87.3	90.8	94.0	95.6	97.2	98.0	98.2	98.8	99.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 1240

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855
STATIONGLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

NOV
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)00
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	37.3	44.0	44.0	44.0	44.0	44.0	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 20000	39.3	46.7	46.7	46.7	46.7	46.7	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 18000	39.3	46.7	46.7	46.7	46.7	46.7	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 16000	39.3	46.7	46.7	46.7	46.7	46.7	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 14000	39.3	46.7	46.7	46.7	46.7	46.7	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 12000	40.0	47.3	47.3	47.3	47.3	47.3	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 10000	41.3	50.0	50.0	50.0	50.0	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 9000	42.0	50.7	50.7	50.7	50.7	50.7	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 8000	45.3	57.3	57.3	57.3	58.0	58.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 7000	46.0	58.7	58.7	58.7	59.3	59.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 6000	46.0	58.7	58.7	58.7	59.3	59.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 5000	47.3	60.7	60.7	60.7	61.3	61.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 4500	48.7	63.3	63.3	63.3	64.0	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 4000	50.0	66.0	66.0	66.0	66.7	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 3500	51.3	68.0	68.0	68.0	68.7	68.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 3000	54.0	72.0	72.0	72.7	73.3	73.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 2500	56.7	75.3	76.0	76.7	77.3	77.3	78.0	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2000	58.7	80.0	80.7	81.3	82.0	82.0	82.7	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1800	58.7	81.3	82.0	82.7	83.3	83.3	84.0	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1500	58.7	84.0	86.0	87.3	88.0	88.0	88.7	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1200	58.7	85.3	88.0	89.3	90.0	90.0	90.7	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1000	58.7	86.7	89.3	90.7	91.3	92.0	93.3	94.0	94.0	94.0	94.0	94.0	94.0
≥ 900	58.7	86.7	89.3	90.7	91.3	92.0	93.3	94.0	94.0	94.0	94.0	94.0	94.0
≥ 800	58.7	86.7	89.3	90.7	91.3	92.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7
≥ 700	58.7	86.7	89.3	91.3	92.7	93.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0
≥ 600	58.7	86.7	89.3	91.3	92.7	93.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0
≥ 500	58.7	86.7	89.3	91.3	92.7	93.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0
≥ 400	58.7	86.7	89.3	91.3	92.7	94.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7
≥ 300	58.7	86.7	89.3	91.3	92.7	94.0	96.0	96.7	97.3	97.3	97.3	97.3	97.3
≥ 200	58.7	86.7	89.3	91.3	92.7	94.0	96.7	97.3	98.0	98.0	98.0	98.0	98.0
≥ 100	58.7	86.7	89.3	91.3	92.7	94.0	96.7	97.3	98.0	98.0	98.0	98.7	98.7
0	58.7	86.7	89.3	91.3	92.7	94.0	96.7	97.3	98.0	98.0	98.0	98.7	99.3

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855
STATIONGLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

NOV
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)03
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	37.3	40.0	42.0	42.7	42.7	42.7	43.3	43.3	44.0	44.0	44.7	44.7	44.7	44.7
≥ 20000	40.0	42.7	44.7	45.3	45.3	45.3	46.7	46.7	47.3	47.3	48.0	48.0	48.0	48.0
≥ 18000	40.0	42.7	44.7	45.3	45.3	45.3	46.7	46.7	47.3	47.3	48.0	48.0	48.0	48.0
≥ 16000	40.0	42.7	44.7	45.3	45.3	45.3	46.7	46.7	47.3	47.3	48.0	48.0	48.0	48.0
≥ 14000	40.7	43.3	45.3	46.0	46.0	46.0	47.3	47.3	48.0	48.0	48.7	48.7	48.7	48.7
≥ 12000	40.7	43.3	45.3	46.0	46.0	46.0	47.3	47.3	48.0	48.0	48.7	48.7	48.7	48.7
≥ 10000	43.3	48.0	50.0	50.7	50.7	50.7	52.0	52.0	52.7	52.7	53.3	53.3	53.3	53.3
≥ 9000	44.0	48.7	50.7	51.3	51.3	51.3	52.7	52.7	53.3	53.3	54.0	54.0	54.0	54.0
≥ 8000	48.0	55.3	57.3	58.0	58.7	58.7	60.0	60.0	60.7	60.7	61.3	61.3	61.3	61.3
≥ 7000	49.3	56.7	58.7	59.3	60.0	60.0	61.3	61.3	62.0	62.0	62.7	62.7	62.7	62.7
≥ 6000	49.3	56.7	58.7	59.3	60.0	60.0	61.3	61.3	62.0	62.0	62.7	62.7	62.7	62.7
≥ 5000	51.3	60.7	62.7	63.3	64.0	64.0	65.3	65.3	66.0	66.0	66.7	66.7	66.7	66.7
≥ 4500	51.3	60.7	62.7	63.3	64.0	64.0	65.3	65.3	66.0	66.0	66.7	66.7	66.7	66.7
≥ 4000	52.0	61.3	63.3	64.0	64.7	64.7	66.7	66.7	67.3	67.3	68.0	68.0	68.0	68.0
≥ 3500	52.7	62.0	64.0	64.7	65.3	65.3	67.3	67.3	68.0	68.0	68.7	68.7	68.7	68.7
≥ 3000	55.3	65.3	68.7	69.3	70.0	70.0	72.0	72.7	73.3	73.3	74.0	74.0	74.0	74.0
≥ 2500	57.3	68.7	72.0	72.7	73.3	73.3	75.3	76.0	76.7	76.7	77.3	77.3	77.3	77.3
≥ 2000	59.3	74.0	77.3	78.0	79.3	79.3	81.3	82.0	82.7	82.7	83.3	83.3	83.3	83.3
≥ 1800	59.3	74.7	78.0	78.7	80.0	80.0	82.0	82.7	83.3	83.3	84.0	84.0	84.0	84.0
≥ 1500	59.3	76.7	80.7	82.0	83.3	84.0	86.0	86.7	87.3	87.3	88.0	88.0	88.0	88.0
≥ 1200	59.3	77.3	81.3	82.7	84.0	84.7	87.3	88.0	88.7	88.7	89.3	89.3	89.3	89.3
≥ 1000	59.3	78.0	82.0	83.3	84.7	85.3	88.0	88.7	89.3	89.3	90.0	90.0	90.0	90.0
≥ 900	59.3	79.3	84.0	85.3	87.3	88.0	90.7	91.3	92.0	92.7	93.3	93.3	93.3	93.3
≥ 800	59.3	79.3	84.0	85.3	87.3	88.0	90.7	91.3	92.0	92.7	93.3	93.3	93.3	93.3
≥ 700	59.3	79.3	84.0	85.3	87.3	88.0	91.3	92.0	92.7	93.3	94.0	94.0	94.0	94.0
≥ 600	59.3	79.3	84.7	86.0	88.0	88.7	92.0	92.7	93.3	94.0	94.7	94.7	94.7	94.7
≥ 500	59.3	79.3	84.7	86.0	88.0	88.7	92.0	92.7	93.3	94.0	94.7	95.3	95.3	95.3
≥ 400	59.3	79.3	85.3	86.7	88.7	89.3	92.7	93.3	94.0	95.3	96.0	96.7	96.7	96.7
≥ 300	59.3	80.0	86.0	87.3	89.3	90.0	93.3	94.0	94.7	96.0	96.7	97.3	97.3	97.3
≥ 200	59.3	80.0	86.0	87.3	89.3	90.0	93.3	94.0	94.7	96.0	97.3	98.0	98.0	98.7
≥ 100	59.3	80.0	86.0	87.3	89.3	90.0	93.3	94.7	95.3	96.7	98.0	98.7	99.3	99.3
0	59.3	80.0	86.0	87.3	89.3	90.0	93.3	94.7	95.3	96.7	98.0	98.7	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

06
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	32.0	39.3	40.0	40.7	40.7	41.3	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.7
≥ 20000	33.3	40.7	41.3	42.0	42.0	43.3	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.7
≥ 18000	33.3	40.7	41.3	42.0	42.0	43.3	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.7
≥ 16000	33.3	40.7	41.3	42.0	42.0	43.3	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.7
≥ 14000	33.3	40.7	41.3	42.0	42.0	43.3	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.7
≥ 12000	33.3	40.7	41.3	42.0	42.0	43.3	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.7
≥ 10000	36.7	44.7	45.3	46.0	46.0	47.3	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.7
≥ 9000	38.0	46.0	46.7	47.3	47.3	48.7	49.3	49.3	49.3	49.3	49.3	49.3	49.3	50.0
≥ 8000	44.0	52.0	52.7	53.3	53.3	54.7	55.3	55.3	55.3	55.3	55.3	55.3	55.3	56.0
≥ 7000	46.0	54.0	54.7	55.3	55.3	56.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.7
≥ 6000	46.7	55.3	56.0	56.7	57.3	58.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.7
≥ 5000	48.0	58.7	59.3	60.0	60.7	62.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3	64.0
≥ 4500	48.0	60.0	60.7	61.3	62.0	63.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	65.3
≥ 4000	48.0	60.0	60.7	61.3	62.0	63.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	65.3
≥ 3500	50.0	62.7	63.3	64.7	65.3	66.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.7
≥ 3000	52.0	66.7	67.3	68.7	69.3	71.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	73.3
≥ 2500	54.0	70.7	71.3	72.7	73.3	76.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	78.0
≥ 2000	56.0	72.7	73.3	74.7	75.3	78.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	81.3
≥ 1800	56.0	72.7	73.3	74.7	75.3	78.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	81.3
≥ 1500	56.7	76.0	77.3	78.7	79.3	82.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	85.3
≥ 1200	56.7	77.3	78.7	80.0	80.7	83.3	86.7	86.7	87.3	87.3	87.3	87.3	87.3	88.0
≥ 1000	56.7	78.0	79.3	81.3	82.0	85.3	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.7
≥ 900	56.7	78.0	79.3	81.3	82.7	86.0	90.0	90.0	90.7	90.7	90.7	90.7	90.7	91.3
≥ 800	56.7	78.0	80.0	82.0	84.0	87.3	91.3	91.3	92.0	92.0	92.0	92.0	92.0	92.7
≥ 700	56.7	78.0	80.0	82.0	84.0	87.3	91.3	91.3	92.0	92.0	92.0	92.0	92.0	92.7
≥ 600	56.7	78.0	80.0	82.0	84.0	87.3	92.0	92.0	92.7	93.3	93.3	93.3	93.3	94.0
≥ 500	56.7	78.0	80.0	82.0	84.0	87.3	92.0	92.0	93.3	94.0	94.0	94.0	94.0	94.7
≥ 400	56.7	78.0	80.0	82.7	84.7	88.0	93.3	93.3	94.7	95.3	95.3	95.3	95.3	96.0
≥ 300	56.7	78.0	80.0	82.7	84.7	88.0	94.0	94.0	95.3	97.3	97.3	97.3	97.3	98.0
≥ 200	56.7	78.0	80.0	82.7	84.7	88.0	94.0	94.0	95.3	97.3	97.3	97.3	97.3	98.0
≥ 100	56.7	78.0	80.0	82.7	84.7	88.0	94.0	94.0	95.3	97.3	97.3	97.3	97.3	98.7
≥ 0	56.7	78.0	80.0	82.7	84.7	88.0	94.0	94.0	95.3	97.3	97.3	97.3	98.0	98.7

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

14855
STATIONGLENVIEW, ILLINOIS
STATION NAME73-77
YEARSNOV
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)09
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	28.7	36.7	40.0	40.0	41.3	41.3	41.3	41.3	42.0	42.0	42.0	42.0
≥ 2000	32.7	41.3	44.7	44.7	46.7	47.3	47.3	47.3	48.0	48.0	48.0	48.0
AI 18000	32.7	41.3	44.7	44.7	46.7	47.3	47.3	47.3	48.0	48.0	48.0	48.0
AI 16000	32.7	41.3	44.7	44.7	46.7	47.3	47.3	47.3	48.0	48.0	48.0	48.0
AI 14000	32.7	41.3	44.7	44.7	46.7	47.3	47.3	47.3	48.0	48.0	48.0	48.0
AI 12000	32.7	41.3	44.7	44.7	46.7	47.3	47.3	47.3	48.0	48.0	48.0	48.0
AI 10000	34.7	44.0	47.3	47.3	50.0	50.7	50.7	50.7	51.3	51.3	51.3	51.3
AI 9000	34.7	44.0	47.3	47.3	50.0	50.7	50.7	50.7	51.3	51.3	51.3	51.3
AI 8000	36.7	46.7	50.0	51.3	54.0	54.7	54.7	54.7	55.3	55.3	55.3	55.3
AI 7000	37.3	47.3	51.3	52.7	55.3	56.0	56.0	56.0	56.7	56.7	56.7	56.7
AI 6000	37.3	47.3	51.3	52.7	55.3	56.0	56.0	56.0	56.7	56.7	56.7	56.7
AI 5000	38.0	48.7	52.7	54.0	57.3	58.0	58.7	58.7	59.3	59.3	59.3	59.3
AI 4500	38.0	49.3	53.3	54.7	58.7	59.3	60.0	60.0	60.7	60.7	60.7	60.7
AI 4000	39.3	51.3	55.3	56.7	60.7	61.3	62.0	62.0	62.7	62.7	62.7	62.7
AI 3500	40.0	52.7	56.7	58.0	62.0	62.7	63.3	63.3	64.0	64.0	64.0	64.0
AI 3000	41.3	55.3	59.3	60.7	65.3	66.7	67.3	67.3	68.0	68.0	68.0	68.0
AI 2500	43.3	60.0	64.7	66.0	70.7	72.0	72.7	72.7	73.3	73.3	73.3	73.3
AI 2000	44.0	60.7	65.3	67.3	72.0	74.0	74.7	75.3	76.0	76.0	76.0	76.0
AI 1800	44.7	62.0	67.3	69.3	74.0	76.7	77.3	78.0	78.7	78.7	78.7	78.7
AI 1500	46.0	66.0	71.3	73.3	78.7	82.0	82.7	83.3	84.0	84.0	84.0	84.0
AI 1200	47.3	68.0	73.3	75.3	81.3	85.3	86.0	86.7	87.3	87.3	87.3	87.3
AI 1000	48.0	69.3	75.3	78.0	84.7	88.7	89.3	90.0	90.7	90.7	91.3	91.3
AI 900	48.0	69.3	76.0	78.7	85.3	89.3	90.0	90.7	91.3	91.3	92.0	92.0
AI 800	48.0	69.3	76.7	79.3	86.0	90.0	91.3	92.0	92.7	93.3	93.3	93.3
AI 700	48.0	69.3	76.7	79.3	86.0	90.0	91.3	92.0	92.7	93.3	93.3	93.3
AI 600	48.0	69.3	76.7	79.3	86.0	90.7	92.0	93.3	94.0	94.0	94.7	94.7
AI 500	48.0	69.3	76.7	79.3	86.0	90.7	92.7	94.7	95.3	95.3	96.0	96.7
AI 400	48.0	69.3	76.7	79.3	86.0	90.7	92.7	95.3	96.0	96.0	96.7	97.3
AI 300	48.0	69.3	76.7	79.3	86.0	90.7	92.7	95.3	96.0	96.0	97.3	98.0
AI 200	48.0	69.3	76.7	79.3	86.0	90.7	92.7	95.3	96.0	96.0	97.3	98.0
AI 100	48.0	69.3	76.7	79.3	86.0	90.7	92.7	95.3	96.0	96.0	97.3	98.0
0	48.0	69.3	76.7	79.3	86.0	90.7	92.7	95.3	96.0	96.0	97.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

NOV
MONTH

12
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	30.7	38.7	38.7	38.7	38.7	38.7	39.3	39.3	39.3	39.3	39.3	39.3	39.3
≥ 20000	38.7	48.7	49.3	49.3	50.0	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 18000	38.7	48.7	49.3	49.3	50.0	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 16000	38.7	48.7	49.3	49.3	50.0	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 14000	38.7	48.7	49.3	49.3	50.0	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 12000	38.7	49.3	50.0	50.0	50.7	50.7	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 10000	42.7	53.3	54.0	54.0	54.7	54.7	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 9000	42.7	53.3	54.0	54.0	54.7	54.7	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 8000	44.0	55.3	56.0	56.0	56.7	56.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 7000	44.0	55.3	57.3	57.3	58.0	58.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 6000	44.0	55.3	57.3	57.3	58.0	58.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 5000	44.7	56.7	58.7	58.7	59.3	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 4500	44.7	56.7	58.7	58.7	59.3	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 4000	48.0	60.0	62.0	62.0	62.7	63.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 3500	49.3	62.0	64.0	64.0	64.7	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 3000	53.3	66.7	69.3	69.3	70.0	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 2500	55.3	70.0	72.7	72.7	73.3	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 2000	56.7	73.3	76.0	76.7	77.3	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 1800	56.7	74.7	77.3	78.0	78.7	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1500	57.3	76.0	80.0	81.3	82.7	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1200	57.3	77.3	82.7	84.0	85.3	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1000	57.3	78.7	84.0	87.3	89.3	90.7	91.3	91.3	92.0	92.7	92.7	92.7	92.7
≥ 900	57.3	78.7	84.0	88.0	90.0	91.3	92.0	92.0	92.7	93.3	93.3	93.3	93.3
≥ 800	57.3	78.7	84.0	88.0	90.7	92.0	92.7	92.7	93.3	94.0	94.0	94.0	94.0
≥ 700	57.3	78.7	84.0	88.0	90.7	92.0	92.7	92.7	93.3	94.0	94.0	94.0	94.0
≥ 600	57.3	78.7	84.0	88.7	91.3	92.7	94.0	94.7	95.3	96.7	96.7	96.7	96.7
≥ 500	57.3	78.7	84.0	88.7	91.3	92.7	94.0	95.3	96.0	97.3	97.3	97.3	97.3
≥ 400	57.3	78.7	84.0	88.7	91.3	92.7	94.0	95.3	96.0	97.3	97.3	97.3	97.3
≥ 300	57.3	78.7	84.0	88.7	91.3	92.7	94.0	96.0	96.7	98.0	98.7	98.7	98.7
≥ 200	57.3	78.7	84.0	88.7	91.3	92.7	94.0	96.0	96.7	98.0	99.3	99.3	99.3
≥ 100	57.3	78.7	84.0	88.7	91.3	92.7	94.0	96.0	96.7	98.0	99.3	99.3	99.3
≥ 0	57.3	78.7	84.0	88.7	91.3	92.7	94.0	96.0	96.7	98.0	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

15
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	32.7	35.3	35.3	35.3	36.0	36.0	36.7	36.7	36.7	36.7	36.7	36.7
≥ 20000	36.7	40.0	40.0	40.0	40.7	40.7	41.3	41.3	41.3	41.3	41.3	41.3
≥ 18000	36.7	40.0	40.0	40.0	40.7	40.7	41.3	41.3	41.3	41.3	41.3	41.3
≥ 16000	36.7	40.0	40.0	40.0	40.7	40.7	41.3	41.3	41.3	41.3	41.3	41.3
≥ 14000	36.7	40.7	40.7	40.7	41.3	41.3	42.0	42.0	42.0	42.0	42.0	42.0
≥ 12000	37.3	42.0	42.0	42.0	42.7	42.7	43.3	43.3	43.3	43.3	43.3	43.3
≥ 10000	41.3	46.7	46.7	46.7	47.3	47.3	48.0	48.0	48.0	48.0	48.0	48.0
≥ 9000	41.3	46.7	46.7	46.7	47.3	47.3	48.0	48.0	48.0	48.0	48.0	48.0
≥ 8000	44.7	51.3	52.0	52.0	53.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0
≥ 7000	45.3	52.7	53.3	53.3	54.7	54.7	55.3	55.3	55.3	55.3	55.3	55.3
≥ 6000	46.0	53.3	54.0	54.0	55.3	55.3	56.0	56.0	56.0	56.0	56.0	56.0
≥ 5000	48.0	55.3	56.0	56.0	57.3	57.3	58.0	58.0	58.0	58.0	58.0	58.0
≥ 4500	48.0	56.0	57.3	57.3	58.7	58.7	59.3	59.3	59.3	59.3	59.3	59.3
≥ 4000	48.0	56.0	57.3	57.3	58.7	58.7	59.3	59.3	59.3	59.3	59.3	59.3
≥ 3500	51.3	60.0	61.3	61.3	62.7	62.7	63.3	63.3	64.0	64.0	64.0	64.0
≥ 3000	55.3	65.3	66.7	66.7	68.0	68.0	68.7	68.7	69.3	69.3	69.3	69.3
≥ 2500	59.3	70.0	71.3	71.3	72.7	72.7	73.3	73.3	74.0	74.0	74.0	74.0
≥ 2000	62.0	74.7	76.0	76.7	78.7	78.7	79.3	79.3	80.0	80.0	80.0	80.0
≥ 1800	62.0	74.7	76.0	76.7	78.7	78.7	79.3	79.3	80.0	80.0	80.0	80.0
≥ 1500	63.3	78.0	79.3	80.7	82.7	82.7	83.3	84.7	85.3	85.3	85.3	85.3
≥ 1200	64.0	80.0	81.3	82.7	85.3	85.3	86.0	88.0	88.7	88.7	88.7	88.7
≥ 1000	64.0	83.3	84.7	87.3	90.0	90.7	91.3	93.3	94.0	94.0	94.0	94.0
≥ 900	64.0	83.3	84.7	88.0	91.3	92.0	92.7	94.7	95.3	95.3	95.3	95.3
≥ 800	64.0	83.3	84.7	88.7	93.3	94.0	94.7	96.7	97.3	97.3	97.3	97.3
≥ 700	64.0	83.3	84.7	88.7	93.3	94.7	95.3	97.3	98.0	98.0	98.0	98.0
≥ 600	64.0	83.3	84.7	88.7	93.3	94.7	95.3	97.3	98.0	98.0	98.0	98.0
≥ 500	64.0	83.3	84.7	88.7	93.3	94.7	95.3	97.3	98.0	98.0	98.0	98.0
≥ 400	64.0	83.3	84.7	88.7	93.3	94.7	95.3	97.3	98.0	98.0	98.0	98.0
≥ 300	64.0	83.3	84.7	88.7	93.3	94.7	95.3	97.3	98.0	98.0	98.0	98.0
≥ 200	64.0	83.3	84.7	88.7	93.3	94.7	96.0	98.0	98.7	98.7	98.7	98.7
≥ 100	64.0	83.3	84.7	88.7	93.3	94.7	96.0	98.0	98.7	98.7	98.7	98.7
≥ 0	64.0	83.3	84.7	88.7	93.3	94.7	96.0	98.0	98.7	98.7	98.7	99.3

TOTAL NUMBER OF OBSERVATIONS

130

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855
STATION

GLENVIEW, ILLINOIS

73-77

STATION NAME

YEARS

NOV
MONTH

18
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	34.0	38.7	39.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 20000	36.0	41.3	42.0	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 18000	36.0	41.3	42.0	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 16000	36.0	41.3	42.0	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 14000	36.7	42.0	42.7	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 12000	38.7	44.7	45.3	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 10000	41.3	48.0	48.7	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 9000	41.3	48.0	48.7	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 8000	47.3	56.0	56.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 7000	48.0	58.0	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 6000	48.0	58.0	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 5000	50.7	61.3	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 4500	50.7	61.3	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 4000	51.3	62.0	63.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 3500	52.0	64.7	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 3000	54.7	68.0	70.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 2500	55.3	71.3	73.3	74.7	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 2000	56.7	75.3	78.7	80.0	80.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1800	56.7	76.0	79.3	80.7	80.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 1500	58.0	79.3	83.3	86.0	86.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1200	58.0	80.7	85.3	88.0	88.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1000	58.0	81.3	86.0	88.7	88.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 900	58.0	82.0	87.3	90.0	90.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 800	58.0	82.0	87.3	90.0	90.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 700	58.0	82.0	87.3	90.0	90.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 600	58.0	82.0	87.3	90.0	90.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 500	58.0	82.0	87.3	90.0	90.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 400	58.0	82.0	87.3	90.0	90.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 300	58.0	82.0	87.3	90.0	90.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 200	58.0	82.0	87.3	90.0	90.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 100	58.0	82.0	87.3	90.0	90.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 0	58.0	82.0	87.3	90.0	90.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855
STATIONGLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

NOV
MONTH21
HOURS (L S T)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	33.3	36.7	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	38.0	38.0
≥ 20000	35.3	40.0	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	41.3	41.3
≥ 18000	35.3	40.0	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	41.3	41.3
≥ 16000	35.3	40.0	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	41.3	41.3
≥ 14000	35.3	40.0	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	41.3	41.3
≥ 12000	36.0	41.3	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.7	42.7
≥ 10000	36.7	43.3	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.7	44.7
≥ 9000	37.3	44.0	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	45.3	45.3
≥ 8000	44.0	52.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	53.3	53.3
≥ 7000	46.0	54.0	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	55.3	55.3
≥ 6000	46.7	54.7	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.7	56.7
≥ 5000	47.3	56.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	58.0	58.0
≥ 4500	48.0	59.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	61.3	61.3
≥ 4000	49.3	61.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	63.3	63.3
≥ 3500	52.7	66.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.7	68.7
≥ 3000	56.0	74.0	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.7	76.7
≥ 2500	56.7	76.7	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	80.0	80.0
≥ 2000	60.0	80.7	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	86.0	86.0
≥ 1800	60.0	80.7	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	86.0	86.0
≥ 1500	60.7	84.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	90.0	90.0
≥ 1200	60.7	85.3	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	91.3	91.3
≥ 1000	60.7	85.3	90.0	90.7	90.7	90.7	91.3	91.3	91.3	91.3	91.3	92.0	92.0
≥ 900	60.7	86.0	90.7	91.3	92.0	92.0	92.0	92.7	92.7	92.7	92.7	93.3	93.3
≥ 800	60.7	86.0	90.7	91.3	92.0	92.0	92.0	92.7	92.7	92.7	92.7	93.3	93.3
≥ 700	60.7	86.0	91.3	92.0	93.3	93.3	94.7	94.7	94.7	94.7	94.7	95.3	95.3
≥ 600	60.7	86.0	92.0	92.7	94.0	94.0	95.3	95.3	95.3	95.3	95.3	96.0	96.0
≥ 500	60.7	86.0	92.0	93.3	94.7	94.7	96.0	96.0	96.0	96.0	96.0	96.7	96.7
≥ 400	60.7	86.0	92.0	93.3	94.7	94.7	96.0	96.7	96.7	96.7	96.7	97.3	97.3
≥ 300	60.7	86.0	92.0	93.3	94.7	94.7	96.0	96.7	96.7	97.3	97.3	98.0	98.0
≥ 200	60.7	86.0	92.0	93.3	94.7	94.7	96.0	96.7	96.7	97.3	97.3	99.3	99.3
≥ 100	60.7	86.0	92.0	93.3	94.7	94.7	96.0	96.7	96.7	97.3	97.3	99.3	99.3
0	60.7	86.0	92.0	93.3	94.7	94.7	96.0	96.7	96.7	97.3	97.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	33.3	38.7	39.6	39.8	40.1	40.2	40.6	40.8	40.8	40.8	40.8	40.9	40.9	41.0
≥ 20000	36.5	42.7	43.7	43.9	44.3	44.6	45.1	45.3	45.3	45.3	45.3	45.4	45.4	45.5
≥ 18000	36.5	42.7	43.7	43.9	44.3	44.6	45.1	45.3	45.3	45.3	45.3	45.4	45.4	45.5
≥ 16000	36.5	42.7	43.7	43.9	44.3	44.6	45.1	45.3	45.3	45.3	45.3	45.4	45.4	45.5
≥ 14000	36.7	42.9	43.9	44.2	44.6	44.8	45.3	45.5	45.5	45.5	45.6	45.7	45.7	45.8
≥ 12000	37.2	43.8	44.8	45.0	45.4	45.7	46.2	46.3	46.3	46.3	46.4	46.5	46.5	46.6
≥ 10000	39.8	47.3	48.3	48.5	49.0	49.3	49.8	49.9	49.9	49.9	50.0	50.1	50.1	50.2
≥ 9000	40.2	47.7	48.7	48.9	49.4	49.7	50.2	50.3	50.3	50.3	50.4	50.5	50.5	50.6
≥ 8000	44.3	53.3	54.3	54.8	55.5	55.8	56.3	56.4	56.4	56.4	56.5	56.6	56.6	56.7
≥ 7000	45.3	54.6	55.9	56.3	57.1	57.3	57.9	58.1	58.1	58.1	58.2	58.3	58.3	58.4
≥ 6000	45.5	54.9	56.3	56.8	57.6	57.8	58.5	58.7	58.7	58.7	58.8	58.8	58.8	58.9
≥ 5000	46.9	57.3	58.8	59.2	60.1	60.4	61.2	61.3	61.3	61.3	61.4	61.5	61.5	61.6
≥ 4500	47.2	58.3	59.9	60.3	61.3	61.7	62.4	62.6	62.6	62.6	62.7	62.8	62.8	63.0
≥ 4000	48.3	59.8	61.3	61.8	62.8	63.1	63.9	64.2	64.2	64.2	64.3	64.3	64.3	64.4
≥ 3500	49.9	62.3	63.9	64.5	65.5	65.9	66.8	67.0	67.0	67.0	67.1	67.2	67.2	67.3
≥ 3000	52.8	66.7	68.6	69.3	70.4	71.0	71.8	72.2	72.2	72.2	72.3	72.3	72.3	72.4
≥ 2500	54.8	70.3	72.5	73.3	74.3	75.1	75.9	76.1	76.3	76.3	76.4	76.5	76.5	76.6
≥ 2000	56.7	73.9	76.5	77.5	78.8	79.7	80.7	80.9	81.2	81.2	81.3	81.3	81.3	81.4
≥ 1800	56.8	74.6	77.3	78.3	79.5	80.5	81.5	81.8	82.0	82.0	82.1	82.2	82.2	82.3
≥ 1500	57.5	77.6	80.8	82.3	83.8	84.9	85.9	86.3	86.6	86.6	86.7	86.8	86.8	87.0
≥ 1200	57.8	78.9	82.6	84.1	85.8	87.0	88.2	88.7	89.0	89.0	89.1	89.2	89.2	89.3
≥ 1000	57.8	80.1	83.8	85.9	87.9	89.4	90.9	91.4	91.8	91.9	92.1	92.2	92.2	92.3
≥ 900	57.8	80.4	84.4	86.7	89.1	90.6	92.1	92.6	93.0	93.2	93.3	93.4	93.4	93.5
≥ 800	57.8	80.4	84.6	86.9	89.7	91.2	92.8	93.3	93.8	94.0	94.2	94.3	94.3	94.5
≥ 700	57.8	80.4	84.7	87.1	90.1	91.7	93.5	94.0	94.4	94.7	94.8	94.9	94.9	95.0
≥ 600	57.8	80.4	84.8	87.3	90.3	92.0	94.0	94.7	95.1	95.5	95.7	95.8	95.8	96.0
≥ 500	57.8	80.4	84.8	87.4	90.5	92.2	94.3	95.1	95.6	96.0	96.2	96.4	96.4	96.5
≥ 400	57.8	80.4	84.9	87.6	90.7	92.4	94.6	95.6	96.1	96.7	96.8	97.1	97.1	97.2
≥ 300	57.8	80.5	85.0	87.7	90.8	92.5	94.8	95.8	96.4	97.4	97.8	98.0	98.0	98.1
≥ 200	57.8	80.5	85.0	87.7	90.8	92.5	94.9	96.0	96.6	97.6	98.1	98.6	98.6	98.8
≥ 100	57.8	80.5	85.0	87.7	90.8	92.5	94.9	96.2	96.8	97.8	98.3	99.0	99.0	99.2
≥ 0	57.8	80.5	85.0	87.7	90.8	92.5	94.9	96.2	96.8	97.8	98.3	99.1	99.1	99.4

TOTAL NUMBER OF OBSERVATIONS

1200

CEILING VERSUS VISIBILITY

14855
STATIONGLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

DEC
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

00

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	25.2	32.9	34.2	34.8	34.8	35.5	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 20000	27.1	35.5	36.8	37.4	37.4	38.1	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 18000	27.1	35.5	36.8	37.4	37.4	38.1	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 16000	27.1	35.5	36.8	37.4	37.4	38.1	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 14000	27.1	35.5	36.8	37.4	37.4	38.1	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 12000	29.0	37.4	38.7	39.4	39.4	40.0	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 10000	31.6	41.3	42.6	43.2	43.2	43.9	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 9000	31.6	41.3	42.6	43.2	43.2	43.9	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 8000	33.6	44.5	45.8	46.5	46.5	47.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 7000	33.6	45.2	46.5	47.1	47.1	47.7	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 6000	34.2	45.8	47.1	47.7	47.7	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 5000	34.8	46.5	47.7	48.4	48.4	49.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 4500	35.5	47.7	49.0	49.7	49.7	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 4000	35.8	49.0	50.3	51.0	51.0	51.6	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 3500	37.4	51.0	52.3	52.9	52.9	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 3000	37.4	54.8	56.1	56.8	57.4	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 2500	39.4	58.7	60.0	60.7	61.3	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 2000	44.5	67.7	69.0	70.3	71.0	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 1800	45.2	69.0	70.3	72.3	72.9	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 1500	45.8	72.9	74.2	76.1	76.8	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1200	45.8	74.8	76.1	78.1	78.7	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1000	46.5	76.1	78.7	83.2	84.5	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 900	46.5	76.8	79.4	84.5	85.8	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 800	46.5	76.8	80.7	85.8	87.1	89.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 700	46.5	76.8	80.7	85.8	87.1	89.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 600	46.5	76.8	81.3	86.5	88.4	90.3	92.3	93.6	93.6	93.6	93.6	93.6	93.6
≥ 500	46.5	76.8	81.9	87.1	89.0	91.0	94.2	95.5	96.8	96.8	96.8	96.8	96.8
≥ 400	46.5	76.8	81.9	87.1	90.3	92.3	96.1	97.4	98.7	98.7	98.7	98.7	98.7
≥ 300	46.5	76.8	81.9	87.1	90.3	92.3	96.1	98.1	98.1	99.4	99.4	99.4	99.4
≥ 200	46.5	76.8	81.9	87.1	90.3	92.3	96.1	98.1	98.1	99.4	99.4	99.4	99.4
≥ 100	46.5	76.8	81.9	87.1	90.3	92.3	96.1	98.7	98.7	100.0	100.0	100.0	100.0
≥ 0	46.5	76.8	81.9	87.1	90.3	92.3	96.1	98.7	98.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

03
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	28.4	33.6	34.2	35.5	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
≥ 20000	28.4	34.2	34.8	36.1	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 18000	28.4	34.2	34.8	36.1	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 16000	28.4	34.2	34.8	36.1	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 14000	28.4	34.2	34.8	36.1	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 12000	29.0	34.8	35.5	36.8	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 10000	31.0	39.4	40.0	41.3	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 9000	31.0	39.4	40.0	41.3	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 8000	31.6	40.7	41.3	42.6	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 7000	31.6	41.3	41.9	43.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 6000	31.6	41.9	42.6	43.9	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 5000	32.9	43.2	43.9	45.2	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 4500	33.6	46.5	47.1	48.4	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 4000	34.8	47.7	48.4	49.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 3500	37.4	50.3	52.3	53.6	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 3000	37.4	51.6	53.6	54.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 2500	40.0	55.5	57.4	60.0	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 2000	43.2	62.6	64.5	69.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 1800	43.2	62.6	64.5	69.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 1500	43.9	63.9	66.5	71.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 1200	43.9	65.2	67.7	72.3	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 1000	43.9	67.1	70.3	75.5	79.4	80.0	80.7	80.7	81.3	81.3	81.3	81.3	81.3
≥ 900	43.9	69.0	72.3	79.4	83.2	84.5	85.8	85.8	86.5	86.5	86.5	86.5	86.5
≥ 800	43.9	69.7	72.9	80.7	84.5	85.8	87.1	87.1	87.7	87.7	87.7	87.7	87.7
≥ 700	43.9	69.7	73.6	81.3	85.2	86.5	88.4	88.4	89.0	89.0	89.0	89.0	89.0
≥ 600	43.9	69.7	73.6	81.3	87.1	88.4	90.3	92.3	92.9	92.9	92.9	92.9	92.9
≥ 500	43.9	69.7	73.6	81.9	88.4	89.7	92.3	94.2	94.8	94.8	94.8	94.8	94.8
≥ 400	43.9	69.7	73.6	81.9	89.0	91.0	93.6	95.5	96.1	96.1	96.1	96.1	96.1
≥ 300	43.9	69.7	73.6	82.6	89.7	91.6	94.2	96.1	96.8	96.8	96.8	96.8	96.8
≥ 200	43.9	69.7	73.6	82.6	89.7	91.6	94.8	96.8	98.7	98.7	98.7	98.7	98.7
≥ 100	43.9	69.7	73.6	82.6	89.7	91.6	94.8	96.8	98.7	98.7	98.7	98.7	98.7
≥ 0	43.9	69.7	73.6	82.6	89.7	91.6	94.8	96.8	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION
14835

GLENVIEW, ILLINOIS

73-77

YEARS

DEC

MORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

06
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	23.9	31.0	34.2	36.1	36.1	36.8	36.8	36.8	36.8	37.4	37.4	37.4	37.4	37.4
≥ 20000	25.2	32.3	35.5	37.4	37.4	38.1	38.1	38.1	38.1	38.7	38.7	38.7	38.7	38.7
≥ 18000	25.2	32.3	35.5	37.4	37.4	38.1	38.1	38.1	38.1	38.7	38.7	38.7	38.7	38.7
≥ 16000	25.2	32.3	35.5	37.4	37.4	38.1	38.1	38.1	38.1	38.7	38.7	38.7	38.7	38.7
≥ 14000	25.2	32.3	35.5	37.4	37.4	38.1	38.1	38.1	38.1	38.7	38.7	38.7	38.7	38.7
≥ 12000	25.2	32.3	35.5	37.4	37.4	38.1	38.1	38.1	38.1	38.7	38.7	38.7	38.7	38.7
≥ 10000	25.8	33.6	36.8	39.4	40.0	40.7	40.7	40.7	40.7	41.3	41.3	41.3	41.3	41.3
≥ 9000	25.8	33.6	36.8	39.4	40.0	40.7	40.7	40.7	40.7	41.3	41.3	41.3	41.3	41.3
≥ 8000	27.7	36.1	39.4	41.9	42.6	43.2	43.2	43.2	43.2	43.9	43.9	43.9	43.9	43.9
≥ 7000	27.7	36.1	39.4	41.9	42.6	43.2	43.2	43.2	43.2	43.9	43.9	43.9	43.9	43.9
≥ 6000	27.7	36.1	39.4	41.9	42.6	43.2	43.2	43.2	43.2	43.9	43.9	43.9	43.9	43.9
≥ 5000	29.0	39.4	42.6	45.2	45.8	46.5	46.5	46.5	46.5	47.1	47.1	47.1	47.1	47.1
≥ 4500	29.0	40.0	43.2	45.8	46.5	47.1	47.1	47.1	47.1	47.7	47.7	47.7	47.7	47.7
≥ 4000	30.3	41.3	44.5	47.1	47.7	48.4	48.4	48.4	48.4	49.0	49.0	49.0	49.0	49.0
≥ 3500	32.3	43.9	47.1	49.7	50.3	51.0	51.0	51.0	51.0	51.6	51.6	51.6	51.6	51.6
≥ 3000	33.6	47.1	51.0	53.6	54.2	54.8	54.8	54.8	54.8	55.5	55.5	55.5	55.5	55.5
≥ 2500	35.5	50.3	55.5	58.1	59.4	60.0	60.0	60.0	60.0	60.7	60.7	60.7	60.7	60.7
≥ 2000	38.7	54.8	60.0	62.6	63.9	64.5	64.5	64.5	64.5	65.2	65.2	65.2	65.2	65.2
≥ 1800	38.7	54.8	60.0	62.6	63.9	64.5	64.5	64.5	64.5	65.2	65.2	65.2	65.2	65.2
≥ 1500	39.4	59.4	65.8	69.0	71.6	72.3	72.9	72.9	72.9	73.6	73.6	73.6	73.6	73.6
≥ 1200	40.0	60.7	67.7	71.0	73.6	74.2	75.5	75.5	75.5	76.1	76.1	76.1	76.1	76.1
≥ 1000	40.0	61.9	71.6	74.8	77.4	78.1	79.4	80.0	80.0	80.7	81.3	81.3	81.3	81.3
≥ 900	41.3	63.2	72.9	76.1	79.4	80.0	81.3	81.9	81.9	82.6	83.2	83.2	83.2	83.2
≥ 800	41.3	63.2	74.2	77.4	80.7	81.3	82.6	83.2	83.2	83.9	84.5	84.5	84.5	84.5
≥ 700	41.3	63.2	74.2	77.4	80.7	81.3	82.6	83.2	83.2	83.9	84.5	84.5	84.5	84.5
≥ 600	41.3	63.2	74.2	77.4	80.7	81.3	82.6	83.2	83.2	83.9	84.5	84.5	84.5	84.5
≥ 500	41.3	63.2	74.2	77.4	80.7	81.3	82.6	83.2	83.2	83.9	84.5	84.5	84.5	84.5
≥ 400	41.3	63.2	74.2	77.4	80.7	81.3	82.6	83.2	83.2	83.9	84.5	84.5	84.5	84.5
≥ 300	41.3	63.2	74.2	77.4	80.7	81.3	82.6	83.2	83.2	83.9	84.5	84.5	84.5	84.5
≥ 200	41.3	63.2	74.2	77.4	80.7	81.3	82.6	83.2	83.2	83.9	84.5	84.5	84.5	84.5
≥ 100	41.3	63.2	74.2	77.4	80.7	81.3	82.6	83.2	83.2	83.9	84.5	84.5	84.5	84.5
≥ 0	41.3	63.2	74.2	77.4	80.7	81.3	82.6	83.2	83.2	83.9	84.5	84.5	84.5	84.5

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855 STATION

GLENVIEW, ILLINOIS

73-77

STATION NAME

YEARS

DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

09 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	20.0	23.2	25.2	26.5	27.1	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
≥ 20000	22.6	26.5	28.4	29.7	30.3	31.0	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 18000	22.6	26.5	28.4	29.7	30.3	31.0	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 16000	22.6	26.5	28.4	29.7	30.3	31.0	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 14000	23.2	27.1	29.0	30.3	31.0	31.6	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
≥ 12000	23.2	27.1	29.0	31.0	31.6	32.3	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 10000	25.8	31.0	32.9	35.5	36.8	37.4	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 9000	25.8	31.0	32.9	35.5	36.8	37.4	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 8000	27.1	33.6	35.5	38.1	40.0	40.7	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 7000	27.7	34.8	36.8	39.4	41.9	42.6	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 6000	27.7	34.8	36.8	39.4	41.9	42.6	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 5000	28.4	37.4	39.4	41.9	44.5	45.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 4500	28.4	37.4	41.9	44.5	47.7	48.2	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 4000	29.0	38.1	43.9	47.1	50.3	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 3500	32.3	42.6	48.4	51.6	54.8	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 3000	34.2	45.2	51.0	54.8	58.7	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 2500	37.4	49.7	55.5	59.4	63.2	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 2000	37.4	51.0	58.1	62.6	66.5	67.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 1800	37.4	51.0	58.1	62.6	66.5	67.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 1500	38.1	53.6	61.3	66.5	70.3	72.3	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 1200	38.1	55.5	63.2	69.0	73.6	75.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1000	38.1	56.8	64.5	70.3	75.5	77.4	81.3	82.6	83.2	83.9	83.9	83.9	83.9	83.9
≥ 900	38.7	57.4	65.2	71.0	76.8	80.0	83.9	85.2	85.8	86.5	86.5	86.5	86.5	86.5
≥ 800	38.7	58.1	65.8	71.6	78.1	81.9	85.8	87.1	87.7	88.4	88.4	88.4	88.4	88.4
≥ 700	38.7	58.1	65.8	71.6	79.4	83.9	88.4	89.7	90.3	92.3	92.9	92.9	92.9	92.9
≥ 600	38.7	58.1	66.5	72.3	80.7	85.6	91.6	92.9	93.6	95.5	96.1	96.1	96.1	96.1
≥ 500	38.7	58.1	66.5	72.3	81.3	86.5	92.3	93.6	94.2	96.8	97.4	97.4	97.4	97.4
≥ 400	38.7	58.1	66.5	72.3	81.3	86.5	92.3	93.6	94.2	96.8	97.4	97.4	97.4	97.4
≥ 300	38.7	58.1	66.5	72.3	81.3	86.5	92.3	94.2	94.8	97.4	98.1	98.1	98.1	98.1
≥ 200	38.7	58.1	66.5	72.3	81.3	86.5	92.3	94.2	94.8	97.4	98.1	98.1	98.1	98.1
≥ 100	38.7	58.1	66.5	72.3	81.3	86.5	92.3	94.2	94.8	97.4	98.1	98.1	98.1	98.1
0	38.7	58.1	66.5	72.3	81.3	86.5	92.3	94.2	94.8	97.4	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14000
1000

GLENVIEW, ILLINOIS

73-77

YEARS

DEC
MORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	21.3	25.8	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
≥ 20000	25.8	31.6	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
AI 18000	25.8	31.6	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
AI 16000	25.8	31.6	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
AI 14000	25.8	31.6	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
AI 12000	26.5	33.6	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
AI 10000	27.1	36.1	37.4	37.4	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
AI 9000	27.1	36.1	37.4	37.4	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
AI 8000	31.0	41.9	43.9	43.9	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
AI 7000	31.6	42.0	44.5	45.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
AI 6000	31.6	42.6	45.2	45.8	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
AI 5000	32.3	43.9	46.5	47.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
AI 4500	32.3	43.9	46.5	47.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
AI 4000	32.3	45.2	48.4	49.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
AI 3500	34.2	49.0	52.3	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
AI 3000	37.4	52.9	56.1	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
AI 2500	38.1	56.1	60.7	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
AI 2000	41.3	61.3	66.5	67.7	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
AI 1800	42.6	63.2	68.4	69.7	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
AI 1500	42.6	63.9	69.7	71.5	72.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
AI 1200	42.6	63.9	70.3	73.6	76.8	78.1	78.7	78.7	78.7	79.4	80.0	80.0	80.0	80.0
AI 1000	42.6	65.2	72.3	75.5	80.0	81.3	81.9	82.6	82.6	83.2	83.9	83.9	83.9	83.9
AI 900	42.6	65.8	72.9	76.8	81.9	83.2	83.9	84.5	84.5	85.2	85.8	85.8	85.8	85.8
AI 800	43.2	66.5	74.2	78.7	83.9	85.2	85.8	86.5	86.5	87.1	88.4	88.4	88.4	88.4
AI 700	43.2	66.5	74.8	79.4	85.2	86.5	87.1	88.4	88.4	89.0	90.3	90.3	90.3	90.3
AI 600	43.2	66.5	74.8	80.0	85.8	87.7	88.4	89.7	89.7	91.0	92.9	92.9	92.9	92.9
AI 500	43.2	66.5	74.8	80.0	85.8	87.7	88.4	89.7	90.3	91.6	94.2	94.2	94.2	94.2
AI 400	43.2	66.5	74.8	80.0	85.8	87.7	88.4	89.7	90.3	92.3	95.5	95.5	95.5	95.5
AI 300	43.2	66.5	74.8	80.0	85.8	87.7	88.4	89.7	90.3	92.9	96.8	96.8	96.8	96.8
AI 200	43.2	66.5	74.8	80.0	85.8	87.7	88.4	89.7	90.3	92.9	96.8	96.8	96.8	96.8
AI 100	43.2	66.5	74.8	80.0	85.8	87.7	88.4	89.7	90.3	92.9	96.8	96.8	96.8	96.8
AI 0	43.2	66.5	74.8	80.0	85.8	87.7	88.4	89.7	90.3	92.9	96.8	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS

155

2

12255 0101

0222

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

7-77

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	24.5	30.3	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 20000	26.5	33.6	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 18000	26.5	33.6	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 16000	26.5	33.6	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 14000	27.1	34.2	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 12000	27.7	35.5	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
≥ 10000	30.3	38.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 9000	31.0	39.4	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 8000	32.9	41.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 7000	32.9	42.6	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 6000	33.6	43.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 5000	34.2	45.2	48.4	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 4500	34.2	45.2	49.0	49.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 4000	34.8	47.1	51.0	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 3500	36.8	50.3	54.2	54.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 3000	38.1	52.3	56.1	56.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 2500	40.7	56.1	60.7	61.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 2000	45.8	63.2	69.0	70.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 1800	45.8	63.9	69.7	71.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 1500	45.8	65.8	71.6	74.2	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 1200	46.5	69.0	74.8	77.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1000	47.1	72.9	79.4	81.9	85.2	86.5	87.7	87.7	87.7	88.4	88.4	88.4
≥ 900	47.1	72.9	79.4	81.9	85.8	87.1	88.4	88.4	88.4	89.0	89.0	89.0
≥ 800	47.1	72.9	79.4	81.9	85.8	87.1	88.4	88.4	88.4	89.0	89.0	89.0
≥ 700	47.1	72.9	79.4	81.9	86.5	87.7	89.0	89.0	89.0	89.7	89.7	89.7
≥ 600	47.1	72.9	79.4	81.9	86.5	88.4	91.0	91.0	91.0	92.3	92.3	92.3
≥ 500	47.1	72.9	79.4	81.9	87.1	89.0	91.6	91.6	91.6	94.2	94.2	94.2
≥ 400	47.1	72.9	79.4	81.9	87.1	89.0	91.6	92.3	92.3	94.8	96.1	96.1
≥ 300	47.1	72.9	79.4	81.9	87.1	89.0	91.6	92.3	92.3	94.8	96.1	96.1
≥ 200	47.1	72.9	79.4	81.9	87.1	89.0	91.6	92.3	92.3	94.8	96.1	96.1
≥ 100	47.1	72.9	79.4	81.9	87.1	89.0	91.6	92.3	92.3	94.8	96.1	96.1
≥ 0	47.1	72.9	79.4	81.9	87.1	89.0	91.6	92.3	92.3	94.8	96.1	96.1

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

18
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	26.5	34.2	34.8	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 20000	29.0	38.7	39.4	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 18000	29.0	38.7	39.4	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 16000	29.0	38.7	39.4	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 14000	29.0	38.7	39.4	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 12000	29.0	38.7	39.4	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 10000	32.9	42.6	43.9	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 9000	32.9	42.6	43.9	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 8000	33.6	45.2	46.5	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 7000	34.2	47.7	49.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 6000	34.8	49.0	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 5000	34.8	49.0	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 4500	36.1	50.3	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 4000	36.8	51.6	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 3500	36.8	52.3	54.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 3000	37.4	55.5	57.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 2500	38.7	58.7	60.7	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 2000	41.3	64.5	67.7	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 1800	41.3	65.8	69.0	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 1500	42.6	70.3	73.6	78.1	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1200	42.6	71.6	76.1	81.9	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1000	42.6	74.2	80.0	85.8	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 900	42.6	74.2	80.7	87.1	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 800	42.6	74.2	80.7	87.1	91.0	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 700	42.6	74.2	80.7	87.1	91.0	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 600	42.6	74.2	80.7	87.1	91.0	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 500	42.6	74.2	80.7	87.1	91.6	92.9	94.8	95.5	95.5	96.1	96.1	96.1	96.1
≥ 400	42.6	74.2	80.7	87.1	91.6	92.9	94.8	95.5	95.5	96.1	96.8	96.8	96.8
≥ 300	42.6	74.2	80.7	87.1	91.6	92.9	94.8	96.1	96.1	96.8	98.1	98.1	98.1
≥ 200	42.6	74.2	80.7	87.1	91.6	92.9	94.8	96.1	96.1	97.4	98.7	98.7	98.7
≥ 100	42.6	74.2	80.7	87.1	91.6	92.9	94.8	96.1	96.1	98.1	99.4	99.4	99.4
0	42.6	74.2	80.7	87.1	91.6	92.9	94.8	96.1	96.1	98.1	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	29.0	34.8	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 20000	30.3	37.4	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 18000	30.3	37.4	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 16000	30.3	37.4	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 14000	30.3	37.4	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 12000	32.3	40.0	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 10000	35.5	43.2	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 9000	35.5	43.2	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 8000	37.4	46.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 7000	38.1	49.0	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 6000	38.7	49.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 5000	39.4	51.0	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 4500	40.0	51.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 4000	40.0	53.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 3500	40.7	55.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 3000	41.9	58.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 2500	45.2	63.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 2000	49.0	71.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 1800	49.0	72.3	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 1500	49.7	76.8	79.4	79.4	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1200	49.7	78.7	81.3	83.2	83.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1000	49.7	79.4	81.9	83.9	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 900	49.7	79.4	81.9	83.9	86.5	86.5	87.1	87.7	87.7	87.7	87.7	87.7	87.7
≥ 800	49.7	79.4	81.9	84.5	87.1	87.1	87.7	88.4	88.4	89.0	89.0	89.0	89.0
≥ 700	49.7	79.4	81.9	84.5	87.1	87.7	89.7	91.0	91.0	91.6	91.6	91.6	91.6
≥ 600	49.7	80.0	83.2	85.8	88.4	89.0	91.6	92.9	93.6	94.8	94.8	94.8	94.8
≥ 500	49.7	80.0	83.2	86.5	89.0	89.7	92.9	94.8	95.5	96.8	96.8	96.8	96.8
≥ 400	49.7	80.0	83.9	87.1	89.7	91.0	94.2	96.1	96.8	98.1	98.1	98.1	98.1
≥ 300	49.7	80.0	83.9	87.1	89.7	91.0	94.8	96.8	97.4	98.7	98.7	98.7	98.7
≥ 200	49.7	80.0	83.9	87.1	89.7	91.0	94.8	96.8	97.4	98.7	98.7	98.7	98.7
≥ 100	49.7	80.0	83.9	87.1	89.7	91.0	94.8	97.4	98.1	99.4	99.4	99.4	99.4
0	49.7	80.0	83.9	87.1	89.7	91.0	94.8	97.4	98.1	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855
STATIONGLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

DEC
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	24.8	30.7	32.1	32.8	33.2	33.4	33.5	33.5	33.5	33.6	33.6	33.6	33.6	33.6
≥ 20000	26.9	33.7	35.2	35.9	36.3	36.5	36.7	36.7	36.7	36.8	36.8	36.8	36.8	36.8
≥ 18000	26.9	33.7	35.2	35.9	36.3	36.5	36.7	36.7	36.7	36.8	36.8	36.8	36.8	36.8
≥ 16000	26.9	33.7	35.2	35.9	36.3	36.5	36.7	36.7	36.7	36.8	36.8	36.8	36.8	36.8
≥ 14000	27.0	33.9	35.3	36.1	36.5	36.7	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
≥ 12000	27.7	34.9	36.4	37.2	37.6	37.8	38.0	38.0	38.0	38.1	38.1	38.1	38.1	38.1
≥ 10000	30.0	38.2	39.8	40.8	41.5	41.7	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 9000	30.1	38.3	39.9	40.9	41.5	41.8	41.9	41.9	41.9	42.0	42.0	42.0	42.0	42.0
≥ 8000	31.9	41.3	43.0	44.0	44.7	44.9	45.1	45.1	45.1	45.2	45.2	45.2	45.2	45.2
≥ 7000	32.2	42.4	44.2	45.2	46.1	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 6000	32.5	42.9	44.8	45.9	46.8	47.0	47.2	47.2	47.2	47.3	47.3	47.3	47.3	47.3
≥ 5000	33.2	44.3	46.5	47.5	48.4	48.6	48.8	48.8	48.8	48.9	48.9	48.9	48.9	48.9
≥ 4500	33.6	45.3	47.7	48.8	49.8	50.0	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 4000	34.4	46.7	49.4	50.5	51.5	51.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 3500	36.0	49.4	52.2	53.6	54.5	54.8	54.9	54.9	54.9	55.1	55.1	55.1	55.1	55.1
≥ 3000	37.2	52.3	55.2	56.8	58.0	58.2	58.4	58.4	58.4	58.6	58.6	58.6	58.6	58.6
≥ 2500	39.4	56.1	59.4	61.2	62.5	62.8	63.1	63.1	63.1	63.2	63.2	63.2	63.2	63.2
≥ 2000	42.7	62.0	65.9	68.2	69.7	70.2	70.6	70.6	70.6	70.7	70.7	70.7	70.7	70.7
≥ 1800	42.9	62.8	66.8	69.3	70.7	71.2	71.6	71.6	71.6	71.8	71.8	71.8	71.8	71.8
≥ 1500	43.5	65.8	70.2	73.2	75.2	75.9	76.6	76.6	76.6	76.8	76.8	76.8	76.8	76.8
≥ 1200	43.6	67.4	72.2	75.8	78.4	79.1	80.1	80.1	80.1	80.2	80.3	80.3	80.3	80.3
≥ 1000	43.8	69.2	74.8	78.9	82.1	83.2	84.3	84.6	84.7	85.1	85.2	85.2	85.2	85.2
≥ 900	44.0	69.8	75.6	80.1	83.7	85.0	86.2	86.6	86.7	87.1	87.3	87.3	87.3	87.3
≥ 800	44.1	70.1	76.2	81.0	84.8	86.1	87.5	87.9	88.0	88.5	88.7	88.8	88.8	88.8
≥ 700	44.1	70.1	76.4	81.1	85.2	86.8	88.6	89.2	89.3	89.9	90.2	90.3	90.4	90.4
≥ 600	44.1	70.2	76.7	81.7	86.2	88.1	90.6	91.5	91.7	92.7	93.1	93.2	93.4	93.4
≥ 500	44.1	70.2	76.8	82.0	87.0	89.0	91.9	93.1	93.3	94.9	95.6	95.7	96.0	96.1
≥ 400	44.1	70.2	76.9	82.2	87.5	89.7	92.7	94.0	94.2	95.9	96.8	96.9	97.3	97.3
≥ 300	44.1	70.2	76.9	82.3	87.6	89.8	93.0	94.4	94.7	96.5	97.5	97.6	98.2	98.4
≥ 200	44.1	70.2	76.9	82.3	87.6	89.8	93.1	94.5	94.8	96.9	98.0	98.1	99.0	99.4
≥ 100	44.1	70.2	76.9	82.3	87.6	89.8	93.1	94.7	94.9	97.1	98.2	98.3	99.4	99.9
0	44.1	70.2	76.9	82.3	87.6	89.8	93.1	94.7	94.9	97.1	98.2	98.3	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14955
STATION

GLENVIEW, ILLINOIS
STATION NAME

73-77

YEARS

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	37.0	44.6	46.2	47.2	47.9	48.2	48.4	48.5	48.5	48.6	48.6	48.6	48.7	48.7
≥ 20000	40.3	49.1	50.8	51.9	52.7	53.1	53.4	53.5	53.5	53.6	53.7	53.7	53.7	53.7
≥ 18000	40.4	49.1	50.9	52.0	52.8	53.2	53.5	53.6	53.6	53.7	53.7	53.8	53.8	53.8
≥ 16000	40.4	49.1	50.9	52.0	52.8	53.2	53.5	53.6	53.6	53.7	53.7	53.8	53.8	53.8
≥ 14000	40.6	49.4	51.2	52.3	53.1	53.5	53.8	53.9	53.9	54.0	54.1	54.1	54.1	54.1
≥ 12000	41.4	50.6	52.4	53.6	54.4	54.8	55.1	55.2	55.2	55.3	55.4	55.4	55.4	55.4
≥ 10000	44.0	54.1	56.2	57.5	58.8	59.1	59.1	59.3	59.3	59.4	59.4	59.5	59.5	59.5
≥ 9000	44.2	54.5	56.5	57.8	58.7	59.2	59.5	59.7	59.7	59.8	59.8	59.9	59.9	59.9
≥ 8000	47.0	58.6	60.9	62.3	63.3	63.9	64.2	64.3	64.4	64.5	64.5	64.6	64.6	64.6
≥ 7000	47.9	59.8	62.3	63.7	64.8	65.4	65.8	65.9	65.9	66.1	66.1	66.1	66.2	66.2
≥ 6000	48.2	60.3	62.8	64.3	65.5	66.0	66.4	66.5	66.6	66.7	66.7	66.8	66.8	66.8
≥ 5000	49.4	62.1	64.8	66.3	67.5	68.1	68.5	68.7	68.7	68.8	68.9	68.9	69.0	69.0
≥ 4500	50.2	63.4	66.2	67.8	69.0	69.7	70.1	70.2	70.3	70.4	70.5	70.5	70.5	70.6
≥ 4000	51.3	65.1	68.0	69.7	71.1	71.7	72.2	72.3	72.4	72.5	72.6	72.6	72.6	72.7
≥ 3500	52.4	66.9	70.0	71.7	73.1	73.8	74.3	74.5	74.5	74.6	74.7	74.7	74.8	74.8
≥ 3000	54.2	69.7	73.0	74.9	76.5	77.3	77.8	78.0	78.1	78.2	78.3	78.3	78.4	78.4
≥ 2500	55.5	71.9	75.5	77.6	79.2	80.1	80.7	80.9	81.0	81.1	81.2	81.3	81.3	81.3
≥ 2000	57.0	74.5	78.5	80.7	82.6	83.6	84.3	84.6	84.6	84.8	84.9	84.9	85.0	85.0
≥ 1800	57.3	75.2	79.1	81.5	83.4	84.3	85.1	85.3	85.4	85.6	85.7	85.7	85.7	85.8
≥ 1500	58.0	77.0	81.4	83.9	86.0	87.1	88.0	88.4	88.4	88.6	88.7	88.8	88.8	88.9
≥ 1200	58.3	78.0	82.5	85.3	87.6	88.7	89.7	90.1	90.2	90.4	90.5	90.6	90.6	90.6
≥ 1000	58.5	78.7	83.6	86.7	89.2	90.5	91.6	92.0	92.2	92.4	92.6	92.7	92.7	92.8
≥ 900	58.5	79.0	84.0	87.2	90.0	91.3	92.5	92.9	93.1	93.4	93.5	93.6	93.7	93.7
≥ 800	58.5	79.1	84.3	87.6	90.4	91.9	93.2	93.7	93.8	94.2	94.4	94.5	94.5	94.5
≥ 700	58.5	79.3	84.5	87.9	90.9	92.4	93.8	94.4	94.5	95.0	95.2	95.3	95.3	95.4
≥ 600	58.6	79.3	84.7	88.1	91.2	92.8	94.3	95.0	95.2	95.7	95.9	96.0	96.1	96.1
≥ 500	58.6	79.4	84.8	88.3	91.5	93.2	94.9	95.6	95.9	96.6	96.9	97.0	97.1	97.1
≥ 400	58.6	79.4	84.9	88.4	91.7	93.4	95.2	96.2	96.4	97.2	97.5	97.7	97.8	97.9
≥ 300	58.6	79.4	84.9	88.4	91.8	93.5	95.4	96.5	96.7	97.6	98.1	98.4	98.6	98.6
≥ 200	58.6	79.4	84.9	88.4	91.8	93.6	95.5	96.6	96.8	97.8	98.4	98.8	99.1	99.3
≥ 100	58.6	79.4	84.9	88.4	91.8	93.6	95.5	96.6	96.8	97.9	98.4	98.5	99.1	99.7
≥ 0	58.6	79.4	84.9	88.4	91.8	93.6	95.5	96.6	96.8	97.9	98.5	98.5	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS

14607

DIRNAVOCEANMET SMOS

SKY COVER

5704 SKY COVER JAN 68

14855 GLENVIEW, ILLINOIS

73-77

JAN

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10	
JAN	00	28.4	2.6	.6	1.9	1.3	1.9	3.9	1.9	3.9	1.3	52.3	155
	03	29.0	1.3	1.9	3.2	2.6	.6	1.9	1.9	3.9	.6	52.9	155
	06	25.8	2.6	3.9	2.6	3.2	.6	5.2	1.9	1.9	3.2	49.0	155
	09	19.4	3.2	1.9	2.6	1.9	3.2	3.2	1.9	9.7	1.9	51.0	155
	12	16.7	1.3	1.3	3.2	3.2	1.9	2.6	3.9	8.4	5.8	49.7	155
	15	17.4	3.2	1.9	2.6	1.9	3.2	3.2	3.2	8.4	6.5	48.4	155
	18	21.9	.6	3.2	5.8	5.2	1.3	3.2	2.6	7.7	2.6	45.8	155
	21	25.2	2.6	1.9	1.9	1.9	1.3	1.9	3.2	5.2	1.9	52.9	155
TOTALS		23.2	2.2	2.1	3.0	2.7	1.8	3.1	2.6	6.1	3.0	50.3	1240

NAVWEASERVCOM

SKY COVER

5704 SKY COVER JAN 68

14855 GLENVIEW, ILLINOIS

73-77

FEB

STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10	
FEB	00	24.8	1.4	3.5	5.7	.7	.7	2.8	2.8	5.7	1.4	50.4	6.3 141
	03	27.7		1.4	6.4	1.4	3.5	2.8	2.8	5.0	1.4	47.5	6.1 141
	06	19.1	3.5	4.3	6.4	5.0	2.8	.7	3.5	3.5	2.1	48.9	6.3 141
	09	12.1	2.1	6.4	2.8	2.1	.7	1.4	5.0	7.8	7.8	51.8	7.3 141
	12	15.6	1.4	1.4	2.8	2.8	2.1	1.4	2.8	3.5	9.9	56.0	7.4 141
	15	14.2	2.1	4.3	2.1	2.8	2.1	4.3	2.8	12.8	6.4	46.1	7.0 141
	18	20.6	3.5	2.1	4.3	4.3	2.8	2.8	3.5	6.4	.7	48.9	6.4 141
	21	31.2		2.1	3.5	1.4	.7		3.5	3.5	4.3	49.6	6.1 141
TOTALS		20.7	1.8	3.2	4.3	2.6	1.9	2.0	3.3	6.0	4.3	49.9	6.6 1128

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SKY COVER

14855

GLENVIEW, ILLINOIS

73-77

STATION NAME	INDIS
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PERIOD

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAR	00	25.8	.6	1.9	2.6	3.9	1.3		3.2	2.6	3.2	54.8	6.5	155
	03	25.8	.6	2.6	2.6	1.3	1.9	1.9	3.2	3.9	2.6	53.5	6.5	155
	06	18.7	3.2	1.3	3.9	3.2	3.2	1.3	3.9	6.5	5.8	49.0	6.8	155
	09	16.8	3.9	.6	1.3	3.9	1.9	1.9	5.8	5.2	7.7	51.0	7.1	155
	12	11.6	4.5	2.6	1.3	4.5	5.8	2.6	1.9	8.4	1.3	55.5	7.2	155
	15	10.3	2.6	1.9	1.9	2.6	.6	3.9	5.8	11.6	3.2	55.5	7.7	155
	18	11.6	2.6		4.5	3.2	2.6	3.2	3.9	7.7	7.7	52.9	7.5	155
	21	23.2	1.3	3.2	4.5	3.2	.6	.6	4.5	3.2	3.2	52.3	6.5	155
TOTALS		18.0	2.4	1.8	2.8	3.2	2.2	1.9	4.0	6.1	4.3	53.1	7.0	1240

SKY COVER

14855

GLENVIEW, ILLINOIS 60045

73-77

APR

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
APR	00	29.3	2.7	2.0	6.7	2.7	1.3	2.0	4.7	6.0	2.7	40.0	5.6	150
	03	29.3	1.3	5.3	2.7	2.7	4.0	2.0	5.3	8.0	.7	38.7	5.6	150
	06	21.3	3.3	1.3	6.0	4.7	3.3	4.0	4.0	6.7	4.7	40.7	6.1	150
	09	20.0	6.0	4.7	1.3	3.3	2.7	2.7	4.0	6.7	6.7	42.0	6.2	150
	12	12.0	3.3	2.0	3.3	4.7	5.3	3.3	7.3	6.7	8.7	43.3	7.0	150
	15	10.7	4.7	4.7	5.3	1.3	2.0	2.7	8.0	9.3	4.7	46.7	7.0	150
	18	12.0	4.0	2.7	7.3	2.0		3.3	9.3	8.7	7.3	43.3	6.9	150
	21	31.3	2.0	3.3	3.3	6.0	1.3	3.3	4.0	3.3	.7	41.3	5.4	150
TOTALS		20.7	3.4	3.3	4.5	3.4	2.5	2.9	5.8	6.9	4.5	42.0	6.2	1200

SKY COVER

14655 GLENVIEW, ILLINOIS

73-77

JUN

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUN	00	35.3	3.3	6.7	6.0	2.7	2.7	6.0	7.3	4.7	5.3	20.0	4.3	150
	03	34.0	4.0	9.3	6.7	4.0	2.0	2.7	8.0	6.0	.7	22.7	4.2	150
	06	18.0	2.0	8.0	7.3	6.0	5.3	4.7	4.7	9.3	6.0	28.7	5.7	150
	09	18.7	2.7	4.7	4.0	5.3	.7	4.7	9.3	12.0	7.3	30.7	6.1	150
	12	13.3	2.7	2.7	7.3	4.7	2.0	6.0	11.3	8.0	9.3	32.7	6.5	150
	15	11.3	3.3	4.7	6.0	6.0	4.7	4.0	8.0	18.7	4.0	29.3	6.4	150
	18	18.0	6.7	4.7	6.0	4.0	2.0	2.7	7.3	11.3	8.0	29.3	5.8	150
	21	25.3	6.0	6.0	10.0	5.3	2.7	4.0	6.0	4.7	2.7	27.3	4.8	150
TOTALS		21.7	3.8	5.9	6.7	4.8	2.8	4.4	7.7	9.3	5.4	27.6	5.5	1200

MONTH
JUL

73-77

GLENNVIEW, ILLINOIS

14855

MONTH

PERIOD

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUL	00	46.5	2.6	6.5	3.9	5.8	2.6	5.2	3.9	5.8	1.9	15.5	3.4	155
	03	48.4	3.2	6.5	5.2	.6	2.6	3.2	3.2	5.8	3.2	18.1	3.5	155
	06	26.5	4.5	7.1	5.8	5.2	5.2	3.2	3.2	8.4	4.5	26.5	5.0	155
	09	31.6	5.2	4.5	5.2	1.9	3.2	4.5	7.7	7.7	5.8	22.6	4.7	155
	12	16.8	6.5	4.5	6.5	4.5	8.4	3.9	5.2	13.5	6.5	23.9	5.6	155
	15	15.5	5.2	7.1	9.0	6.5	7.1	6.5	6.5	10.3	2.6	23.9	5.4	155
	18	16.1	9.0	7.7	10.3	9.0	1.3	3.9	5.2	7.7	7.1	22.6	5.1	155
	21	31.0	7.1	7.1	9.0	4.5	3.9	2.6	4.5	8.4	3.2	18.7	4.2	155
TOTALS		29.1	5.4	6.4	6.9	4.8	4.3	4.1	4.9	8.5	4.4	21.5	4.6	1240

PERIOD

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
AUG	00	36.1	3.9	5.8	6.5	5.8	3.9	1.3	5.2	7.1	1.9	22.6	4.2	155
	03	34.8	5.2	7.1	4.5	5.2	3.2	2.6	5.2	9.0	3.2	20.0	4.2	155
	06	16.1	6.5	7.7	7.1	3.2	7.1	1.9	9.0	12.9	7.1	21.3	5.5	155
	09	16.1	4.5	11.0	7.1	3.9	2.6	5.8	6.5	10.3	5.8	26.5	5.6	155
	12	11.6	2.6	5.2	5.8	3.9	6.5	4.5	8.4	13.5	7.1	31.0	6.5	155
	15	9.7	3.2	5.2	7.1	6.5	5.2	5.8	5.8	11.6	7.7	32.3	6.5	155
	18	13.5	4.5	3.9	7.7	3.2	5.2	3.9	7.1	15.5	8.4	27.1	6.2	155
	21	30.3	3.2	6.5	6.5	7.1	5.8	3.2	3.9	9.7	1.3	22.6	4.5	155
TOTALS		21.0	4.2	6.6	6.5	4.9	4.9	3.6	6.4	11.2	5.3	25.4	5.4	1240

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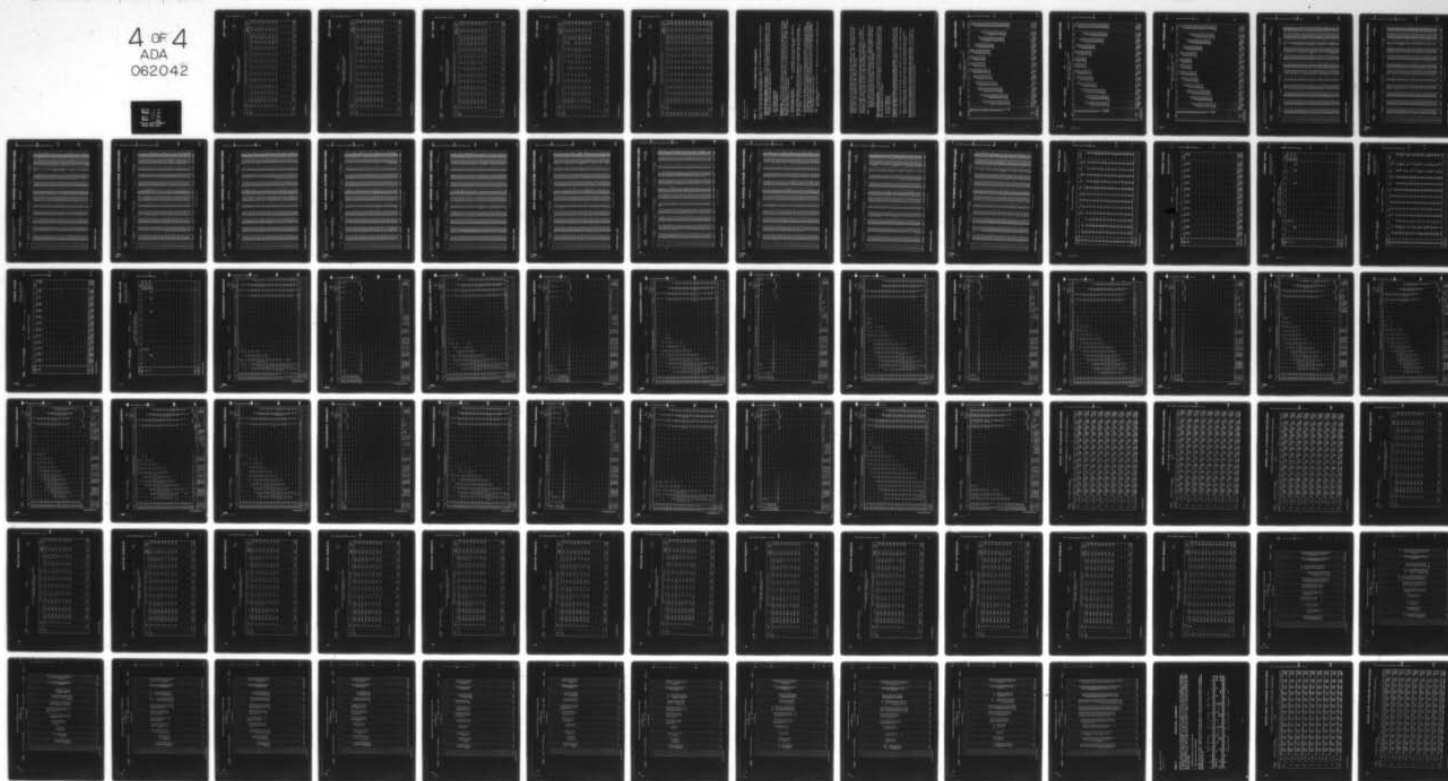
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SKY COVER

14855

GLENVIEW, ILLINOIS

73-77

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STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
SEP	00	38.7	1.3	4.0	4.0	4.7	2.0	6.7	2.0	7.3	1.3	28.0	4.5	150
	03	39.3	4.0	2.7	3.3	2.0	2.0	3.3	4.7	4.7	3.3	30.7	4.6	150
	06	22.0	6.7	6.0	7.3	4.0	.7	2.7	6.7	5.3	4.0	34.7	5.5	150
	09	16.7	6.0	6.7	6.7	5.3	2.0	2.7	5.3	6.0	8.7	34.0	5.9	150
	12	14.0	4.0	2.0	8.7	4.7	2.7	8.0	9.3	7.3	8.7	30.7	6.2	150
	15	15.3	5.3	3.3	5.3	6.7	1.3	2.7	7.3	7.3	9.3	36.0	6.3	150
	18	18.7	6.0	5.3	6.0	4.0	2.7	3.3	6.7	6.7	10.0	30.7	5.8	150
	21	34.7	2.7	4.7	6.7	2.0	2.0	5.3	3.3	4.7	3.3	30.7	4.8	150
TOTALS		24.9	4.5	4.3	6.0	4.2	1.9	4.3	5.7	6.2	6.1	31.9	5.5	1200

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
OCT	00	43.9	1.9	3.2	5.2	1.3	1.3	1.9	3.9	4.5	2.6	30.3	4.4	155
	03	40.6	4.5	3.9	3.9	3.2	3.9	3.9	3.9	3.9		28.4	4.2	155
	06	27.1	5.2	6.5	7.1	2.6	1.3	1.9	5.2	5.8	9.0	28.4	5.2	155
	09	22.6	3.9	4.5	7.7	3.9	1.9	6.5	3.9	8.4	5.8	31.0	5.6	155
	12	20.0	3.9	3.9	5.8	5.8	5.2	2.6	7.1	9.7	6.5	29.7	5.8	155
	15	17.4	3.9	7.1	3.9	9.0	1.9	3.9	6.5	6.5	1.9	38.1	5.9	155
	18	25.8	2.6	4.5	5.2	5.8	.6	2.6	4.5	10.3	3.9	34.2	5.6	155
	21	35.5	4.5	3.9	3.2	5.8	2.6	1.9	3.2	5.2	3.2	31.0	4.7	155
TOTALS		29.1	3.8	4.7	5.3	4.7	2.3	3.2	4.8	6.8	4.1	31.4	5.2	1240

SKY COVER

5704 SKY COVER JAN 68

14955 STATION GLENVIEW, ILLINOIS 73-77 PERIOD NOV MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10	
NOV	00	26.7	3.3	2.7	3.3	2.7	.7	2.0	2.0	4.0	3.3	49.3	6.1 150
	03	27.3	6.0	2.0	4.0	2.0	1.3	2.0	2.0	2.7	2.7	48.0	5.9 150
	06	22.0	4.7	4.7	3.3	2.0	3.3	4.0	2.0	6.0	2.0	46.0	6.1 150
	09	14.0	4.0	5.3	6.0	3.3	2.0	3.3	2.7	4.0	4.0	51.3	6.8 150
	12	14.0	4.0	3.3	4.7	2.0	7.3	3.3	4.7	7.3	3.3	46.0	6.7 150
	15	14.0	1.3	2.7	2.7	3.3	3.3	2.7	8.0	7.3	6.7	48.0	7.2 150
	18	18.0	4.7	2.7	3.3	3.3	1.3	3.3	2.7	6.7	6.0	48.0	6.7 150
	21	22.0	2.0	2.0	2.0	3.3	4.0	.7	2.0	13.3	1.3	47.3	6.6 150
TOTALS		19.8	3.8	3.2	3.7	2.7	2.9	2.7	3.3	6.4	3.7	48.0	6.5 1200

DEC

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
DEC	00	24.5	1.9	3.2	2.6	.6		.6	4.5	2.6	1.3	58.1	6.7	155
	03	23.9	.6	2.6	1.9	2.6	3.2	1.3	3.9	1.9	3.2	54.8	6.7	155
	06	20.6	1.9	3.2	4.5	1.9	1.9	3.9	2.6	2.6		56.8	6.7	155
	09	9.7	4.5	3.2	3.9	1.3	1.3	1.3	3.2	10.3	3.9	57.4	7.6	155
	12	6.5	2.6	1.9	1.9	2.6	2.6	1.3	10.3	10.3	4.5	55.5	7.9	155
	15	5.2	3.9	2.6	4.5	1.3	1.9	3.2	3.9	9.7	7.7	56.1	7.9	155
	18	13.5	2.6	4.5	6.5	3.9	2.6	.6	1.9	3.9	2.6	57.4	7.1	155
	21	23.9	1.3	1.3	5.8		1.3	1.9	2.6	3.9	2.6	55.5	6.7	155
TOTALS		16.0	2.4	2.8	4.0	1.8	1.9	1.8	4.1	5.7	3.2	56.5	7.2	1240

SKY COVER

5704 SKY COVER JAN 68

14655 GLENVIEW, ILLINOIS 73-77 ALL

STATION PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	ALL	23.2	2.2	2.1	3.0	2.7	1.8	3.1	2.6	6.1	3.0	50.3	6.5	1240
FEB		20.7	1.8	3.2	4.3	2.6	1.9	2.0	3.3	6.0	4.3	49.9	6.6	1128
MAR		18.0	2.4	1.8	2.8	3.2	2.2	1.9	4.0	6.1	4.3	53.1	7.0	1240
APR		20.7	3.4	3.3	4.5	3.4	2.5	2.9	5.8	6.9	4.5	42.0	6.2	1200
MAY		20.8	4.6	5.4	4.6	3.6	2.8	2.9	4.4	7.9	3.8	39.2	6.0	1240
JUN		21.7	3.8	5.9	6.7	4.8	2.8	4.4	7.7	9.3	5.4	27.6	5.5	1200
JUL		29.1	5.4	6.4	6.9	4.8	4.3	4.1	4.9	8.5	4.4	21.5	4.6	1240
AUG		21.0	4.2	6.6	6.5	4.9	4.9	3.6	6.4	11.2	5.3	25.4	5.4	1240
SEP		24.9	4.5	4.3	5.0	4.2	1.9	4.3	5.7	6.2	6.1	31.9	5.5	1200
OCT		29.1	3.8	4.7	5.3	4.7	2.3	3.2	4.8	6.8	4.1	31.4	5.2	1240
NOV		19.8	3.8	3.2	3.7	2.7	2.9	2.7	3.3	6.4	3.7	48.0	6.5	1200
DEC		16.0	2.4	2.8	4.0	1.8	1.9	1.6	4.1	5.7	3.2	56.5	7.2	1240
TOTALS		22.1	3.5	4.1	4.9	3.6	2.7	3.1	4.8	7.3	4.3	39.7	6.0	14608

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperature
 - b. Daily minimum temperature
 - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
 - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σ_x). The number of observations used in the computations for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:
 - a. Dry-bulb temperature
 - b. Wet-bulb temperature
 - c. Dew-point temperature
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
 - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
 - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.
6. Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).

STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE
GLENVIEW, ILLINOIS	1000	STATION	1000	1000	GLENVIEW, ILLINOIS	1000	STATION	1000	1000

45-77

YEARS

	CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)	MAXIMUM
1	100	100
2	100	100
3	100	100
4	100	100
5	100	100
6	100	100
7	100	100
8	100	100
9	100	100
10	100	100
11	100	100
12	100	100
13	100	100
14	100	100
15	100	100
16	100	100
17	100	100
18	100	100
19	100	100
20	100	100
21	100	100
22	100	100
23	100	100
24	100	100
25	100	100
26	100	100
27	100	100
28	100	100
29	100	100
30	100	100
31	100	100
32	100	100
33	100	100
34	100	100
35	100	100
36	100	100
37	100	100
38	100	100
39	100	100
40	100	100
41	100	100
42	100	100
43	100	100
44	100	100
45	100	100
46	100	100
47	100	100
48	100	100
49	100	100
50	100	100
51	100	100
52	100	100
53	100	100
54	100	100
55	100	100
56	100	100
57	100	100
58	100	100
59	100	100
60	100	100
61	100	100
62	100	100
63	100	100
64	100	100
65	100	100
66	100	100
67	100	100
68	100	100
69	100	100
70	100	100
71	100	100
72	100	100
73	100	100
74	100	100
75	100	100
76	100	100
77	100	100
78	100	100
79	100	100
80	100	100
81	100	100
82	100	100
83	100	100
84	100	100
85	100	100
86	100	100
87	100	100
88	100	100
89	100	100
90	100	100
91	100	100
92	100	100
93	100	100
94	100	100
95	100	100
96	100	100
97	100	100
98	100	100
99	100	100
100	100	100

MAXIMUM

[illegible]

NAYWEASERVCOM

DAILY TEMPERATURES

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

45-77

YEARS

MINIMUM

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
75						1.4	2.9	2.7	.2				.6
70				.1	.8	8.5	16.6	14.7	4.3	.1			3.8
65				.6	4.2	24.7	46.9	41.3	13.2	1.8			11.3
60				2.9	10.8	44.9	77.7	71.7	31.4	5.9			20.8
55			.4	5.1	19.9	66.6	93.9	90.5	52.0	14.8	.1		29.2
50			1.8	11.5	38.3	88.2	99.6	98.5	74.1	27.9	2.1	.2	37.5
45	.4	.2	4.7	23.2	63.0	97.1	100.0	100.0	89.6	47.6	5.3	.3	49.2
40	.8	1.3	10.7	43.5	85.6	99.4			97.3	69.8	10.4	1.1	53.3
35	4.0	5.3	23.0	67.9	97.6	99.8			99.6	86.7	21.8	2.9	61.3
30	14.4	20.9	48.0	88.9	99.9	100.0			100.0	96.7	37.4	8.5	71.6
25	29.3	38.9	68.2	97.6	100.0					99.5	62.2	24.4	79.7
20	42.7	56.2	82.3	99.8						100.0	78.1	41.9	85.9
15	54.8	67.7	91.8	100.0							89.3	59.2	90.1
10	64.9	78.7	97.3								95.2	70.0	93.5
5	74.7	87.0	99.0								97.8	82.5	95.8
0	85.0	92.6	99.7								98.9	89.2	97.6
5-	93.3	97.3	99.9								99.4	94.6	99.0
10-	97.2	99.7	100.0								100.0	97.9	99.7
15-	99.4	99.9										99.5	99.9
20-	100.0	100.0										100.0	100.0
MEAN	15.0	19.2	28.4	39.0	47.9	58.4	63.9	63.0	55.1	44.5	32.0	20.7	40.6
S. D.	13.225	11.611	9.623	8.321	6.215	7.754	5.747	6.147	8.139	8.925	10.490	11.701	19.240
TOTAL OBS.	992	893	977	960	1023	990	1023	992	940	992	957	1022	11763

NAVWEASERVCOM

106555

21 Daily Temperatures Jan 1969

DAILY TEMPERATURES

14855
STATIONGLENVIEW, ILLINOIS
STATION NAME

45-77

YEARS

MEAN

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
90						1.0	3.4	3.1	.4				.0
85					1.3	10.1	15.8	13.1	3.7				.7
80					4.5	28.4	44.7	37.4	12.7				3.7
75				.6						1.1			11.0
70				2.5	14.0	47.9	72.7	66.3	27.3	5.1			20.0
65			.3	6.6	25.9	68.1	93.4	88.5	48.4	13.9	.7		29.2
60			2.1	15.3	41.4	83.1	99.1	98.8	72.4	27.0	3.4	.1	37.3
55		.2	5.9	27.9	62.0	95.5	100.0	100.0	89.8	46.8	8.2	.4	45.2
50		1.0	12.4	41.9	79.4	99.4			97.6	66.5	17.3	2.4	52.0
45	.7	3.2	19.4	60.2	93.4	99.8			99.8	84.6	30.3	4.8	58.6
40	5.7	9.9	34.7	80.0	99.0	100.0			100.0	95.2	50.6	11.7	66.0
35	15.0	23.5	53.1	94.8	100.0					99.2	69.2	25.9	73.7
30	32.8	45.0	75.4	99.1						99.9	84.4	47.2	82.2
25	49.6	63.0	88.5	99.9						100.0	92.7	66.1	83.4
20	62.9	76.6	96.1	100.0							96.9	78.9	92.7
15	73.7	86.4	98.8								98.5	88.1	95.5
10	83.6	93.7	99.8								99.6	93.1	97.5
5	90.7	96.9	99.9								99.8	97.7	98.7
0	95.8	98.5	100.0								100.0	99.2	99.5
5-	98.9	100.0										99.9	99.9
10-	99.6											100.0	100.0
15-	100.0												100.0
MEAN	22.7	26.9	36.4	48.4	58.1	68.6	73.4	72.3	64.5	53.9	39.6	27.9	49.4
S. D.	12.245	10.648	10.413	9.895	9.460	8.435	5.996	6.332	8.041	9.147	10.598	10.871	20.087
TOTAL OBS.	992	895	977	960	1023	990	1023	992	940	992	957	1022	11763

NAVWEASERVCOM

5721 Daily Temperatures Jan 1969

DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

STATION 14855 GLENVIEW, ILLINOIS 1946-1977 YEARS MONTH JANUARY

DAY	MEAN TEMP		AVERAGE				MAXIMUM TEMP				MINIMUM TEMP			
	AVERAGE		AVERAGE		EXTREME		EXTREME		AVERAGE		EXTREME			
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	DATE	
1	23.9	-4.5	29.8	-1.2	48	8.9	1950	18.0	-7.8	-11	-23.9	1968		
2	26.5	-3.1	32.4	0.2	59	15.0	1950	20.7	-6.3	0	-17.8	1969		
3	25.0	-3.9	32.2	0.1	59	15.0	1950	17.7	-7.9	-5	-20.6	1969		
4	21.0	-6.1	28.0	-2.2	46	7.8	1946	13.9	-10.1	-7	-21.7	1969		
5	22.9	-5.1	30.5	-0.8	54	12.2	1946	15.3	-9.3	-8	-22.2	1959		
6	23.4	-4.8	30.2	-1.0	48	8.9	1965*	16.6	-8.6	-6	-21.1	1970		
7	22.2	-5.4	29.3	-1.5	56	13.3	1965	15.2	-9.3	-12	-24.4	1968		
8	22.8	-5.1	30.5	-0.8	61	16.1	1965	15.0	-9.4	-11	-23.9	1976		
9	23.5	-4.7	30.4	-0.9	49	9.4	1972	16.7	-8.5	-12	-24.4	1962		
10	23.0	-5.0	30.7	-0.7	60	15.6	1975	15.2	-9.3	-16	-26.7	1962		
11	21.6	-5.8	29.3	-1.5	46	7.8	1975	13.9	-10.1	-12	-24.4	1977*		
12	22.8	-5.1	30.2	-1.0	58	14.4	1960	15.3	-9.3	-11	-23.9	1974		
13	23.7	-4.6	31.5	-0.3	54	12.2	1961	15.8	-9.0	-6	-21.1	1963		
14	24.6	-4.1	31.3	-0.4	53	11.7	1952	17.8	-7.9	-11	-23.9	1957		
15	23.4	-4.8	31.2	-0.4	59	15.0	1949	15.6	-9.1	-15	-26.1	1972		
16	20.0	-6.7	27.8	-2.3	56	13.3	1949	12.2	-11.0	-19	-28.3	1977		
17	20.6	-6.3	28.0	-2.2	58	14.4	1973	13.1	-10.5	-15	-26.1	1977		
18	22.8	-5.1	30.6	-0.8	56	13.3	1973	15.0	-9.4	-11	-23.9	1967		
19	23.1	-4.9	30.8	-0.7	51	10.6	1973	15.4	-9.2	-6	-21.1	1970		
20	22.5	-5.3	30.6	-0.8	46	7.8	1967	14.5	-9.7	-9	-22.8	1963		
21	23.6	-4.7	30.5	-0.8	56	13.3	1957	16.6	-8.6	-15	-26.1	1963		
22	22.9	-5.1	30.5	-0.8	55	12.8	1967*	15.3	-9.3	-10	-23.3	1970		
23	22.0	-5.6	29.9	-1.2	60	15.6	1967	14.1	-9.9	-18	-27.8	1963		
24	24.5	-4.2	32.8	0.4	64	17.8	1967*	16.3	-8.7	-12	-24.4	1963		
25	24.9	-3.9	32.6	0.3	67	19.4	1950	17.2	-8.2	-7	-21.7	1963*		
26	22.2	-5.4	29.6	-1.3	59	15.0	1973	14.7	-9.6	-5	-20.6	1957		
27	19.4	-7.0	26.5	-3.1	48	8.9	1947	12.3	-10.9	-11	-23.9	1955		
28	19.4	-7.0	27.5	-2.5	51	10.6	1970	11.3	-11.5	-16	-26.7	1977		
29	19.5	-6.9	26.9	-2.8	51	10.6	1968	12.0	-11.1	-17	-27.2	1966		
30	18.0	-7.8	26.1	-3.3	54	12.2	1974	9.8	-12.3	-20	-28.9	1951		
31	20.4	-6.4	28.5	-1.9	50	10.0	1966	12.3	-10.9	-6	-21.1	1971		
Monthly	22.5	-5.3	29.9	-1.2	67	19.4	1950	15.0	-9.4	-20	-28.9	1951		

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

14855
STATION

GLENVIEW, ILLINDIS
STATION NAME

1946-1977
YEARS

FEBRUARY
MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	22.7	-5.2	29.9	-1.2	55	12.8	15.4	-9.2	-9	-22.8	1951
2	20.3	-6.5	28.0	-2.2	48	8.9	12.6	-10.8	-16	-26.7	1951
3	21.5	-5.8	28.7	-1.8	45	7.2	14.2	-9.9	-8	-22.2	1970
4	24.4	-4.2	33.3	0.7	53	11.7	15.5	-9.2	-4	-20.0	1965
5	26.0	-3.3	33.9	1.1	56	13.3	18.2	-7.7	-3	-19.4	1947
6	24.5	-4.2	31.7	-0.2	50	10.0	17.4	-8.1	-5	-20.6	1962
7	22.1	-5.5	29.5	-1.4	48	8.9	14.8	-9.6	-7	-21.7	1972*
8	23.2	-4.9	29.9	-1.2	52	11.1	16.6	-8.6	-11	-23.9	1951
9	24.1	-4.4	31.8	-0.1	56	13.3	16.3	-8.7	-12	-24.4	1951
10	25.9	-3.4	33.6	0.9	58	14.4	18.2	-7.7	-3	-19.4	1958
11	25.4	-3.7	32.3	0.2	56	13.3	18.4	-7.6	-8	-22.2	1955
12	27.7	-2.4	34.6	1.4	55	12.8	20.9	-6.2	-8	-22.2	1967
13	27.1	-2.7	34.2	1.2	50	10.0	20.1	-6.6	-5	-20.6	1955
14	27.0	-2.8	34.3	1.3	59	15.0	19.7	-6.8	0	-17.8	1963*
15	26.7	-2.9	34.3	1.3	66	18.9	19.2	-7.1	-4	-20.0	1946
16	26.8	-2.9	33.6	0.9	50	10.0	20.1	-6.6	-8	-22.2	1958
17	28.1	-2.2	35.3	1.8	50	10.0	20.8	-6.2	-8	-22.2	1958
18	30.5	-0.8	38.0	3.3	60	15.6	22.9	-5.1	-3	-19.4	1958
19	27.4	-2.6	34.2	1.2	60	15.6	20.5	-6.4	-2	-18.9	1959
20	26.3	-3.2	34.8	1.6	57	13.9	17.8	-7.9	-3	-19.4	1966
21	26.8	-2.9	34.6	1.4	55	12.8	19.1	-7.2	-7	-21.7	1963
22	27.1	-2.7	35.0	1.7	51	10.6	19.3	-7.1	-6	-21.1	1963
23	29.5	-1.4	36.3	2.4	61	16.1	22.8	-5.1	5	-15.0	1967*
24	30.9	-0.6	37.8	3.2	63	17.2	23.9	-4.5	-6	-21.1	1967
25	30.2	-1.0	37.2	2.9	66	18.9	23.2	-4.9	-7	-21.7	1967
26	30.9	-0.6	39.2	4.0	60	15.6	22.7	-5.2	-1	-18.3	1963
27	31.0	-0.6	37.9	3.3	72	22.2	24.1	-4.4	1	-17.2	1950
28	31.3	-0.4	38.8	3.8	57	13.9	23.8	-4.6	-1	-18.3	1962
29	31.7	-0.2	40.4	4.7	64	17.8	23.1	-4.9	6	-14.4	1960
30											
31											
Monthly	26.6	-3.0	34.0	1.1	72	22.2	19.2	-7.1	-16	-26.7	1951

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

5100

25 DAILY AVERAGE/EXTREME TEMP MAR 1978

8000

8000

8100

DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

14855 GLENVIEW, ILLINOIS
STATION NAME

1945-1977

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		AVERAGE		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	31.3	-0.4	39.4	4.1	60	15.6	60	15.6	23.1	-4.9	-9	-22.8	1972
2	32.3	0.2	39.0	3.9	69	20.6	69	20.6	25.6	-3.6	-1	-18.3	1974
3	34.3	1.3	41.6	5.3	77	25.0	77	25.0	26.9	-2.8	8	-13.3	1974
4	32.9	0.5	40.8	4.9	58	14.4	58	14.4	25.0	-3.9	7	-13.9	1968
5	32.0	0.0	39.0	3.9	59	15.0	59	15.0	24.9	-3.9	1	-17.2	1946
6	33.1	0.6	40.4	4.7	66	18.9	66	18.9	25.8	-3.4	1	-17.2	1951
7	32.0	0.0	39.3	4.1	64	17.8	64	17.8	24.8	-4.0	4	-15.6	1973
8	31.1	-0.5	38.8	3.8	68	20.0	68	20.0	23.5	-4.7	8	-13.3	1977
9	32.3	0.2	38.9	3.8	67	19.4	67	19.4	25.8	-3.4	11	-11.7	1977
10	33.6	0.9	40.2	4.6	69	20.6	69	20.6	27.1	-2.7	7	-13.9	1955
11	35.5	1.9	42.2	5.7	73	22.8	73	22.8	28.8	-1.8	5	-15.0	1972
12	35.1	1.7	42.1	5.6	67	19.4	67	19.4	28.1	-2.2	-2	-18.9	1977
13	34.1	1.2	41.3	5.2	70	21.1	70	21.1	26.9	-2.8	10	-12.2	1957
14	36.5	2.5	43.6	6.4	72	22.2	72	22.2	29.3	-1.5	11	-11.7	1973
15	35.8	2.1	43.4	6.3	72	22.2	72	22.2	28.2	-2.1	11	-11.7	1977
16	35.7	2.1	43.8	6.6	78	25.6	78	25.6	27.6	-2.4	16	-8.9	1945
17	35.3	1.8	44.2	6.8	73	22.8	73	22.8	26.4	-3.1	11	-11.7	1966
18	36.6	2.6	44.3	6.8	72	22.2	72	22.2	28.9	-1.7	10	-12.2	1969
19	36.2	3.4	45.4	7.4	76	24.4	76	24.4	30.9	-0.6	9	-12.8	1976
20	37.0	2.8	44.6	7.0	71	21.7	71	21.7	29.4	-1.4	4	-15.6	1976
21	38.2	3.4	46.3	7.9	74	23.3	74	23.3	30.2	-1.0	9	-12.8	1953
22	36.6	2.6	44.6	7.0	65	18.3	65	18.3	28.5	-1.9	16	-8.9	1945
23	37.7	3.2	46.4	8.0	78	25.6	78	25.6	29.0	-1.7	14	-10.0	1945
24	37.8	3.2	45.4	7.4	74	23.3	74	23.3	30.2	-1.0	7	-13.9	1959
25	38.6	3.7	47.1	8.4	75	23.9	75	23.9	30.2	-1.0	9	-12.8	1967
26	39.9	4.4	48.2	9.0	77	25.0	77	25.0	31.6	-0.2	11	-11.7	1976
27	41.3	5.2	50.2	10.1	82	27.8	82	27.8	32.4	0.2	6	-14.4	1945
28	41.8	5.4	49.9	9.9	79	26.1	79	26.1	33.8	1.0	12	-11.1	1968
29	40.1	4.5	48.3	9.1	79	26.1	79	26.1	31.9	-0.1	15	-9.4	1963
30	39.8	4.3	49.0	9.4	77	25.0	77	25.0	30.7	-0.7	11	-11.7	1967
31	41.8	5.4	49.9	9.4	76	24.4	76	24.4	33.7	0.9	12	-11.1	1971
Monthly	36.1	2.3	43.8	6.6	82	27.8	82	27.8	28.4	-2.0	-9	-22.8	1945

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1977

STATION
14855

GLENVIEW, ILLINOIS
STATION NAME

1945-1977

YEARS

APRIL

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	43.5	6.4	52.2	11.2	83	28.3	34.8	1.6	22	-5.6	1954
2	44.2	6.8	52.8	11.6	80	26.7	35.5	1.9	22	-5.6	1961
3	41.4	5.2	49.5	9.7	80	26.7	33.2	0.7	16	-8.9	1954
4	40.7	4.8	48.7	9.3	67	19.4	32.6	0.3	16	-7.8	1975
5	43.2	6.2	52.3	11.3	72	22.2	34.1	1.2	23	-5.0	1975
6	44.9	7.2	54.1	12.3	72	22.2	35.7	2.1	23	-5.0	1977
7	44.7	7.1	54.2	12.3	72	22.2	35.2	1.8	22	-5.6	1972
8	42.3	5.7	50.6	10.3	78	25.6	34.0	1.1	24	-4.4	1972*
9	43.4	6.3	52.4	11.3	76	24.4	34.4	1.3	24	-4.4	1974*
10	44.4	6.9	53.2	11.8	84	28.9	35.5	1.9	23	-5.0	1960
11	46.6	8.1	55.0	12.8	84	28.9	38.2	3.4	26	-3.3	1973*
12	46.7	8.2	55.9	13.3	88	31.1	37.6	3.1	21	-6.1	1950
13	47.9	8.8	57.8	14.3	80	26.7	38.0	3.3	20	-6.7	1950
14	48.2	9.0	57.3	14.1	81	27.2	39.2	4.0	25	-3.9	1957
15	49.4	9.7	59.2	15.1	83	28.3	39.5	4.2	28	-2.2	1962*
16	51.9	11.1	62.2	16.8	85	29.4	41.6	5.3	25	-3.9	1962
17	52.0	11.1	62.6	17.0	86	30.0	41.4	5.2	29	-1.7	1953
18	50.7	10.4	59.5	15.3	85	29.4	41.9	5.5	27	-2.8	1953
19	50.3	10.2	59.3	15.2	82	27.8	41.3	5.2	28	-2.2	1956
20	51.6	10.9	60.8	16.0	80	26.7	42.4	5.8	27	-2.8	1956
21	53.9	12.2	63.5	17.5	81	27.2	44.2	6.8	29	-1.7	1959
22	52.0	11.1	61.6	16.4	85	29.4	42.5	5.8	30	-1.1	1959
23	51.1	10.6	60.3	15.7	86	30.0	41.8	5.4	28	-2.2	1956
24	49.6	9.8	57.8	14.3	84	28.9	41.5	5.3	28	-2.2	1967*
25	50.9	10.5	60.3	15.7	85	29.4	41.4	5.2	29	-1.7	1967
26	50.6	10.3	59.5	15.3	87	30.6	41.6	5.4	31	-0.6	1976*
27	52.0	11.1	61.1	16.2	84	28.9	42.8	6.0	28	-2.2	1946
28	50.1	10.1	57.9	14.4	83	28.3	42.3	5.7	32	0.0	1976*
29	52.0	11.1	61.6	16.4	85	29.4	42.3	5.7	30	-1.1	1977*
30	53.7	12.1	63.7	17.6	85	29.4	43.7	6.5	34	1.1	1969*
31											
Monthly	48.1	8.9	57.2	14.0	88	31.1	39.0	3.9	16	-8.9	1954

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

2

STATION 14855 GLENVIEW, ILLINOIS 1945-1977 MAY MONTH
STATION NAME YEARS

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C		
1	55.7	13.2	66.9	19.4	88	31.1	1952	44.5	6.9	31	-0.6	1963
2	54.5	12.5	64.0	17.8	90	32.2	1959	45.1	7.3	34	1.1	1966
3	54.4	12.4	64.1	17.8	88	31.1	1955*	44.6	7.0	32	0.0	1954
4	54.7	12.6	64.4	18.0	89	31.7	1952*	44.9	7.2	31	-0.6	1954
5	57.1	13.9	66.8	19.3	92	33.3	1949	47.5	8.6	33	0.6	1968
6	55.2	12.9	65.3	18.5	89	31.7	1949	45.1	7.3	34	1.1	1954
7	52.1	11.2	60.8	16.0	84	28.9	1965*	43.4	6.3	32	0.0	1974
8	54.2	12.3	63.3	17.4	89	31.7	1963	45.1	7.3	32	0.0	1948*
9	53.0	11.7	61.7	16.5	88	31.1	1963	44.4	6.9	30	-1.1	1966
10	52.5	11.4	61.3	16.3	83	28.3	1958	43.7	6.5	28	-2.2	1966
11	54.3	12.4	64.3	17.9	84	28.9	1956	44.2	6.8	33	0.6	1966
12	56.0	13.3	65.7	18.7	90	32.2	1956	46.2	7.9	34	1.1	1960
13	56.6	13.7	66.9	19.4	88	31.1	1977	46.2	7.9	36	2.2	1953
14	58.1	14.5	67.9	19.9	86	30.0	1977*	48.2	9.0	36	2.2	1973
15	58.7	14.8	69.1	20.6	88	31.1	1971*	48.4	9.1	39	3.9	1959*
16	57.8	14.3	67.7	19.8	91	32.8	1962	47.9	8.8	37	2.8	1956
17	57.2	14.0	66.2	19.0	94	34.4	1971	48.2	9.0	38	3.3	1973
18	60.6	15.9	71.3	21.8	92	33.3	1962	49.8	9.9	37	2.8	1955
19	60.6	15.9	71.5	21.9	93	33.9	1975	49.7	9.8	38	3.3	1948
20	60.2	15.7	70.5	21.4	90	32.2	1977	50.0	10.0	41	5.0	1956
21	61.1	16.2	72.0	22.2	88	31.1	1977*	50.2	10.1	39	3.9	1954
22	60.2	15.7	70.2	21.2	92	33.3	1956	50.2	10.1	40	4.4	1967*
23	59.4	15.2	68.9	20.5	89	31.7	1977*	49.9	9.9	36	2.2	1963
24	61.5	16.4	72.1	22.3	91	32.8	1950	50.8	10.4	37	2.8	1956
25	61.7	16.5	71.8	22.1	86	30.0	1953*	51.5	10.8	40	4.4	1976*
26	60.6	15.9	70.2	21.2	94	34.4	1967	51.1	10.6	35	1.7	1961
27	60.4	15.8	70.2	21.2	87	30.6	1969	50.6	10.3	36	2.2	1961
28	59.6	15.3	69.2	20.7	93	33.9	1969	50.0	10.0	39	3.9	1949
29	60.6	15.9	70.6	21.4	90	32.2	1962	50.5	10.3	38	3.3	1965*
30	62.1	16.7	72.6	22.6	92	33.3	1953	51.6	10.9	40	4.4	1947*
31	63.7	17.6	74.8	23.8	88	31.1	1953	52.7	11.5	42	5.6	1972
Monthly	57.9	14.4	67.8	19.9	94	34.4	1971*	47.9	8.8	28	-2.2	1966

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

DIRNA VOCEANMET-SMOS

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25 DAILY AVERAGE/EXTREME TEMP MAR 1978

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DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

2

STATION 14855 GLENVIEW, ILLINOIS 1945-1977 YEARS MONTH JULY

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	73.6	23.1	83.8	28.8	99	37.2	63.3	17.4	47	8.3	1965
2	73.1	22.8	83.7	28.7	99	37.2	62.5	16.9	52	11.1	1959
3	71.5	21.9	80.5	26.9	98	36.7	62.5	16.9	51	10.6	1968*
4	71.5	21.9	80.5	26.9	96	35.6	62.4	16.9	50	10.0	1972
5	71.1	21.7	80.4	26.9	95	35.0	61.8	16.6	47	8.3	1972
6	71.0	21.7	80.9	27.2	95	35.0	61.0	16.1	52	11.1	1956*
7	72.7	22.6	82.2	27.9	93	33.9	63.2	17.3	53	11.7	1959
8	72.7	22.6	82.2	27.9	96	35.6	63.3	17.4	51	10.6	1954
9	71.9	22.2	81.2	27.3	97	36.1	62.6	17.0	53	11.7	1961*
10	71.8	22.1	81.5	27.5	97	36.1	62.2	16.8	52	11.1	1953*
11	72.7	22.6	82.5	28.1	95	35.0	62.8	17.1	50	10.0	1945
12	74.2	23.4	84.1	28.9	98	36.7	64.3	17.9	55	12.8	1975*
13	73.1	22.8	82.5	28.1	97	36.1	63.8	17.7	53	11.7	1975*
14	72.9	22.7	81.9	27.7	97	36.1	63.8	17.7	51	10.6	1950
15	72.2	22.3	81.2	27.3	97	36.1	63.3	17.4	52	11.1	1967*
16	73.7	23.2	83.7	28.7	96	35.6	63.7	17.6	45	7.2	1945
17	74.1	23.4	83.5	28.6	95	35.0	64.8	18.2	53	11.7	1945
18	74.4	23.6	83.1	28.4	100	37.8	65.7	18.7	57	13.9	1956
19	73.4	23.0	82.1	27.8	95	35.0	64.7	18.2	54	12.2	1947
20	73.3	22.9	82.0	27.8	95	35.0	64.5	18.1	54	12.2	1970*
21	74.1	23.4	82.8	28.2	97	36.1	65.4	18.6	50	10.0	1947
22	74.4	23.6	83.2	28.4	97	36.1	65.6	18.7	46	7.8	1947
23	73.3	22.9	81.8	27.7	94	34.4	64.9	18.3	50	10.0	1947
24	74.2	23.4	83.4	28.6	101	38.3	65.1	18.4	57	13.9	1947
25	73.7	23.2	83.1	28.4	94	34.4	64.3	17.9	56	13.3	1946
26	74.4	23.6	83.9	28.8	98	36.7	64.9	18.3	52	11.1	1962
27	75.5	24.2	84.9	29.4	101	38.3	66.0	18.9	54	12.2	1971
28	74.3	23.5	83.0	28.3	94	34.4	65.5	18.6	56	13.3	1972
29	73.4	23.0	82.4	28.0	94	34.4	64.4	18.0	56	13.3	1968
30	73.7	23.2	83.0	28.3	96	35.6	64.3	17.9	54	12.2	1971
31	72.8	22.7	81.3	27.4	97	36.1	64.3	17.9	51	10.6	1971
Monthly	73.2	22.9	82.5	28.1	101	38.3	63.9	17.7	45	7.2	1945

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1977

STATION 14855 GLENVIEW, ILLINOIS 1945-1977 YEARS MONTH AUGUST

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	71.7	22.1	80.1	26.7	94	34.4	63.4	17.4	50	10.0	1947
2	72.6	22.6	81.5	27.5	97	36.1	63.7	17.6	54	12.2	1948
3	71.9	22.2	80.8	27.1	95	35.0	62.9	17.2	49	9.4	1950
4	71.6	22.0	80.3	26.8	101	38.3	62.8	17.1	52	11.1	1972
5	71.3	21.8	80.1	26.7	99	37.2	62.5	16.9	49	9.4	1972
6	72.3	22.4	81.0	27.2	100	37.8	63.6	17.6	49	9.4	1948
7	72.6	22.6	81.6	27.6	92	33.3	63.7	17.6	52	11.1	1950
8	72.3	22.4	80.7	27.1	96	35.6	63.9	17.7	52	11.1	1972
9	71.8	22.1	80.5	26.9	94	34.4	63.0	17.2	48	8.9	1972
10	71.7	22.1	80.6	27.0	94	34.4	62.8	17.1	51	10.6	1972
11	71.2	21.8	80.2	26.8	93	33.9	62.1	16.7	53	11.7	1967*
12	71.3	21.8	80.9	27.2	92	33.3	61.7	16.5	49	9.4	1967
13	72.0	22.2	81.7	27.6	93	33.9	62.3	16.8	51	10.6	1967
14	72.1	22.3	80.9	27.2	94	34.4	63.2	17.3	49	9.4	1964
15	72.4	22.4	81.7	27.6	93	33.9	63.2	17.3	52	11.1	1964*
16	72.0	22.2	80.9	27.2	94	34.4	63.1	17.3	54	12.2	1976*
17	72.4	22.4	82.4	28.0	97	36.1	62.5	16.9	53	11.7	1971
18	71.3	21.8	80.3	26.8	98	36.7	62.2	16.8	49	9.4	1963
19	71.4	21.9	80.3	26.8	95	35.0	62.4	16.9	51	10.6	1953*
20	71.9	22.2	81.1	27.3	97	36.1	62.8	17.1	45	7.2	1950
21	72.9	22.7	82.6	28.1	99	37.2	63.2	17.3	45	7.2	1950
22	71.8	22.1	80.9	27.2	95	35.0	62.7	17.1	51	10.6	1952
23	70.8	21.6	79.5	26.4	96	35.6	62.2	16.8	48	8.9	1952
24	70.8	21.6	80.3	26.8	100	37.8	61.4	16.3	50	10.0	1952
25	71.0	21.7	80.7	27.1	96	35.6	61.4	16.3	46	7.8	1958
26	72.7	22.6	82.5	28.1	96	35.6	62.8	17.1	49	9.4	1945
27	74.2	23.4	84.0	28.9	97	36.1	64.3	17.9	50	10.0	1968
28	74.5	23.6	84.5	29.2	98	36.7	64.5	18.1	49	9.4	1968*
29	73.3	22.9	82.8	28.2	96	35.6	63.8	17.7	45	7.2	1965
30	73.1	22.8	82.3	27.9	96	35.6	63.9	17.7	52	11.1	1974
31	72.1	22.3	80.8	27.1	100	37.8	63.5	17.5	50	10.0	1967*
Monthly	72.1	22.3	81.2	27.3	101	38.3	63.0	17.2	45	7.2	1965*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION
14855

STATION NAME
GLENVIEW, ILLINOIS

YEARS
1945-1977

MONTH
SEPTEMBER

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C		
1	68.9	20.5	77.2	25.1	100	37.8	1953	60.6	15.9	44	6.7	1949
2	69.3	20.7	79.0	26.1	100	37.8	1953	59.7	15.4	43	8.9	1967*
3	70.8	21.6	80.7	27.1	95	35.0	1960	60.9	16.1	47	8.3	1974
4	69.2	20.7	78.0	25.6	94	34.4	1960	60.3	15.7	48	8.9	1974*
5	67.7	19.8	77.1	25.1	96	35.6	1954	58.3	14.6	45	7.2	1962
6	67.8	19.9	77.4	25.2	96	35.6	1960	58.2	14.6	45	7.2	1950
7	68.5	20.3	78.3	25.7	98	36.7	1960	58.6	14.8	43	6.1	1956
8	64.5	19.7	76.8	24.9	95	35.0	1971*	58.1	14.5	45	7.2	1951*
9	68.1	20.1	78.4	25.8	94	34.4	1964*	57.8	14.3	46	7.8	1951
10	66.7	19.3	75.9	24.4	93	33.9	1964	57.6	14.2	49	9.4	1976*
11	65.6	18.7	75.3	24.1	91	32.8	1952	55.9	13.3	45	7.2	1955
12	64.2	17.9	73.2	22.9	91	32.8	1952	55.1	12.8	42	5.6	1958*
13	64.8	18.2	73.6	23.1	91	32.8	1962	55.9	13.3	37	2.8	1953
14	63.8	17.7	72.7	22.6	88	31.1	1971	55.0	12.8	41	5.0	1949
15	63.4	17.4	72.8	22.7	84	28.9	1958	54.1	12.3	42	5.6	1949
16	63.1	17.3	72.0	22.2	90	32.2	1955	54.2	12.3	43	6.1	1951
17	65.0	18.3	74.2	23.4	91	32.8	1955	55.8	13.2	42	5.6	1959
18	65.8	18.8	74.9	23.8	92	33.3	1955	56.6	13.7	38	3.3	1959
19	65.7	18.7	74.5	23.6	93	33.9	1955	56.8	13.8	39	3.9	1956
20	62.4	16.9	70.5	21.4	86	30.0	1967*	54.3	12.4	32	0.0	1956
21	62.3	16.8	71.5	21.9	89	31.7	1970	53.2	11.8	39	3.9	1962
22	60.9	16.1	69.4	20.8	85	29.4	1961*	52.5	11.4	34	1.1	1974
23	59.2	15.1	67.9	19.9	86	30.0	1945	50.5	10.3	33	0.6	1974
24	59.8	15.4	68.8	20.4	85	29.4	1958	50.7	10.4	37	2.8	1950*
25	61.0	16.1	70.2	21.2	82	27.8	1958	51.8	11.0	40	4.4	1950
26	60.6	15.9	70.1	21.2	84	28.9	1973	51.1	10.6	43	6.1	1966*
27	59.7	15.4	68.6	20.3	88	31.1	1954	50.8	10.4	41	5.0	1957
28	58.6	14.8	68.2	20.1	88	31.1	1952	49.1	9.5	37	2.8	1961
29	58.2	14.6	67.3	19.6	96	35.6	1953	49.0	9.4	34	1.1	1951
30	58.1	14.5	68.1	20.1	89	31.7	1971	48.2	9.0	36	2.2	1972
31												
Monthly	64.3	17.9	73.5	23.1	100	37.8	1953	55.1	12.8	32	0.0	1956

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

STATION
14855

STATION NAME
GLENVIEW, ILLINOIS

YEARS
1945-1977

MONTH
OCTOBER

DAY	MEAN TEMP		MAXIMUM TEMP			MINIMUM TEMP		
	AVERAGE ° F	AVERAGE ° C	AVERAGE ° F	EXTREME ° F	EXTREME ° C	EXTREME ° F	EXTREME ° C	DATE
1	59.0	15.0	69.2	87	30.6	34	9.4	1.1 1958
2	60.0	15.6	70.4	87	30.6	30	9.8	-1.1 1974
3	58.9	14.9	68.7	88	31.1	31	9.6	-0.6 1974
4	59.0	15.0	68.2	88	31.1	36	9.9	2.2 1968*
5	58.0	14.4	67.0	86	30.0	32	9.4	0.0 1952
6	56.2	13.4	64.5	88	31.1	26	8.8	-3.3 1952
7	55.6	13.1	63.9	82	27.8	32	8.5	0.0 1952
8	55.8	13.2	64.6	84	28.9	28	8.3	-2.2 1952
9	55.2	12.9	64.3	84	28.9	31	7.8	-0.6 1964
10	55.3	12.9	65.5	84	28.9	27	7.3	-2.8 1964
11	55.4	13.0	64.6	84	28.9	32	7.8	0.0 1964
12	55.0	12.8	65.2	82	27.8	31	7.1	-0.6 1967*
13	56.3	13.5	66.6	87	30.6	31	7.8	-0.6 1977
14	56.4	13.6	66.8	84	28.9	34	7.8	1.1 1969
15	55.5	13.1	65.8	84	28.9	32	7.3	0.0 1972
16	54.7	12.6	64.3	80	26.7	31	7.3	-0.6 1970*
17	53.5	11.9	63.4	85	29.4	26	6.4	-3.3 1948
18	51.6	10.9	59.9	85	29.4	21	6.2	-6.1 1948
19	51.3	10.7	60.2	82	27.8	26	5.8	-3.3 1972
20	51.0	10.6	60.1	85	29.4	25	5.4	-3.9 1952
21	51.9	11.1	61.0	83	28.3	25	6.0	-3.9 1952
22	53.2	11.8	63.0	83	28.3	27	6.3	-2.8 1976
23	52.0	11.1	60.2	83	28.3	27	6.6	-2.8 1969
24	49.5	9.7	57.5	80	26.7	29	5.2	-1.7 1962*
25	48.7	9.3	57.1	74	23.3	23	4.6	-5.0 1962
26	49.3	9.6	58.6	62	27.8	22	4.5	-5.6 1962
27	49.5	9.7	58.5	74	23.3	29	4.7	-1.7 1976*
28	48.8	9.3	57.7	76	24.4	24	4.4	-4.4 1976
29	48.4	9.1	57.0	78	25.6	23	4.3	-5.0 1952
30	50.2	10.1	58.9	83	28.3	28	5.3	-2.2 1954
31	49.5	9.7	56.7	84	28.9	28	5.7	-2.2 1949
Monthly	53.7	12.1	62.9	88	31.1	21	6.9	-6.1 1948

*ALSO ON EARLIER YEARS

DIRNAVOCANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION

GLENVIEW, ILLINOIS

STATION NAME

1945-1977

YEARS

NOVEMBER

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	46.4	9.1	56.7	13.7	78	25.6	40.1	4.5	24	-4.4	1951
2	47.3	8.5	54.2	12.3	75	23.9	40.3	4.6	14	-10.0	1951
3	43.8	6.6	51.2	10.7	73	22.8	36.4	2.4	11	-11.7	1951
4	42.6	5.9	48.9	9.4	70	21.1	36.3	2.4	12	-11.1	1951
5	43.5	6.4	51.3	10.7	70	21.1	35.7	2.1	7	-13.9	1951
6	43.1	6.2	50.9	10.5	73	22.8	35.4	1.9	19	-7.2	1971
7	43.0	6.1	50.9	10.5	72	22.2	35.1	1.7	16	-8.9	1971
8	41.9	5.5	49.7	9.8	68	20.0	34.1	1.2	14	-10.0	1976
9	41.8	5.4	49.5	9.7	69	20.6	34.2	1.2	20	-6.7	1973
10	41.2	5.1	49.0	9.4	68	20.0	33.4	0.8	20	-6.7	1957
11	42.5	5.8	50.0	10.0	71	21.7	35.1	1.7	14	-10.0	1950
12	42.0	5.6	49.2	9.6	67	19.4	34.8	1.6	18	-7.8	1976
13	41.3	5.2	49.3	9.6	67	19.4	33.3	0.7	17	-8.3	1947
14	41.8	5.4	49.5	9.7	73	22.8	34.1	1.2	11	-11.7	1959
15	43.1	6.2	50.9	10.5	69	20.6	35.2	1.8	11	-11.7	1959
16	42.9	6.1	51.7	10.9	70	21.1	34.1	1.2	5	-15.0	1959
17	41.9	5.5	48.7	9.3	72	22.2	35.1	1.7	2	-16.7	1959
18	40.9	4.9	48.3	9.1	70	21.1	33.5	0.8	13	-10.6	1959
19	38.2	3.4	44.6	7.0	71	21.7	31.8	-0.1	13	-9.4	1951
20	37.5	3.1	44.4	6.9	62	16.7	30.5	-0.8	13	-9.4	1969*
21	36.1	2.3	43.1	6.2	61	16.1	29.2	-1.6	8	-13.3	1964
22	35.8	2.1	43.1	6.2	62	16.7	28.5	-1.9	13	-10.6	1964
23	35.1	1.7	42.1	5.6	61	16.1	28.0	-2.2	-2	-18.9	1950
24	34.4	1.3	41.2	5.1	64	17.8	27.5	-2.5	-3	-19.4	1950
25	34.7	1.5	42.3	5.7	61	16.1	27.1	-2.7	-2	-18.9	1950
26	34.7	1.5	41.9	5.5	62	16.7	27.5	-2.5	3	-15.0	1977
27	32.8	0.4	39.3	4.1	60	15.6	26.2	-3.2	6	-14.4	1955
28	30.0	-1.1	36.0	2.2	63	17.2	24.0	-4.4	2	-16.7	1976
29	29.0	-1.7	36.4	2.4	62	16.7	21.5	-5.8	-5	-20.6	1976
30	29.6	-1.3	37.4	3.0	63	17.2	21.7	-5.7	-4	-20.0	1947
31											
Monthly	39.3	4.1	46.7	8.2	78	25.6	32.0	0.0	-5	-20.6	1976

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1977

14835
STATION

GLENVIEW, ILLINOIS
STATION NAME

1943-1977

YEARS

DECEMBER
MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	30.6	-0.8	37.5	3.1	70	21.1	23.7	-4.6	9	-12.8	1970
2	33.5	0.8	41.0	5.0	62	16.7	25.9	-3.4	2	-16.7	1962
3	35.1	1.7	41.9	5.5	65	18.3	28.3	-2.1	7	-13.9	1970
4	34.9	1.6	42.3	5.7	64	17.8	27.5	-2.5	10	-12.2	1961
5	33.9	1.1	40.9	4.9	63	17.2	26.9	-2.8	10	-12.2	1975
6	31.7	-0.2	38.8	3.8	64	17.8	24.5	-4.2	0	-17.8	1951
7	30.7	-0.7	37.5	3.1	60	15.6	23.8	-4.6	0	-17.8	1946
8	30.2	-1.0	36.4	2.4	65	18.3	24.0	-4.4	-3	-19.4	1946
9	27.5	-2.5	34.0	1.1	60	15.6	21.0	-6.1	-9	-22.8	1946
10	26.3	-3.2	33.5	0.8	58	14.4	19.1	-7.2	-5	-20.6	1971*
11	27.3	-2.6	34.3	1.3	62	16.7	20.3	-6.5	-3	-19.4	1949
12	27.2	-2.7	33.9	1.1	56	13.3	20.5	-6.4	-3	-20.6	1965
13	26.1	-3.3	33.2	0.7	64	17.8	19.1	-7.2	-4	-20.0	1975
14	25.7	-3.5	32.2	0.1	61	16.1	19.1	-7.2	-2	-18.9	1975
15	25.3	-3.7	32.4	0.2	65	18.3	18.2	-7.7	-8	-22.2	1971
16	25.5	-3.6	32.1	0.1	54	12.2	18.8	-7.3	-14	-25.6	1977
17	24.9	-3.9	32.2	0.1	59	15.0	17.7	-7.9	-10	-23.3	1977
18	25.4	-3.7	32.3	0.2	54	12.2	18.5	-7.5	-11	-23.9	1957
19	26.7	-2.9	32.9	0.5	53	11.7	20.4	-6.4	-6	-21.1	1976*
20	26.9	-2.8	32.8	0.4	59	15.0	20.9	-6.2	-8	-22.2	1949
21	26.0	-3.3	32.5	0.3	62	16.7	19.4	-7.0	-4	-20.0	1967
22	25.3	-3.7	32.5	0.3	55	12.8	18.1	-7.7	-7	-21.7	1957
23	26.5	-3.1	32.8	0.4	55	12.8	20.2	-6.6	-11	-23.9	1965
24	25.9	-3.4	33.9	1.1	55	12.8	18.0	-7.8	-8	-22.2	1965
25	26.3	-3.2	32.8	0.4	47	8.3	19.9	-6.7	-3	-19.4	1971
26	24.6	-4.1	30.9	-0.6	51	10.6	18.3	-7.6	-6	-21.1	1959
27	25.1	-3.8	32.6	0.3	58	14.4	17.6	-8.0	-12	-24.4	1946
28	25.3	-3.7	32.6	0.3	50	10.0	18.1	-7.7	-6	-21.1	1959
29	25.7	-3.5	32.2	0.1	47	8.3	19.2	-7.1	-8	-22.2	1972
30	25.0	-3.9	31.5	-0.3	57	13.9	18.5	-7.5	-5	-20.6	1965
31	24.3	-4.3	31.7	-0.2	59	15.0	16.9	-8.4	-11	-23.9	1965
Monthly	27.6	-2.4	34.5	1.4	70	21.1	20.7	-6.3	-14	-25.6	1970

* ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

14825 STATION GLENVIEW, ILLINOIS 45-77 YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
43				80	83	92	101	93	92	76	72	52	
46	54	56		83	82	94	100			86		63	
47	50				82	93	96						
48	40	54	72	82	83	91	94	101	92	78	67	57	98
49	59	52	70	75	92	90	98	96	84	84	70	62	98
50	67	41	61	74	91	90	92	94	83	85	78	51	94
51	49	55	66	83	87	91	91	92	88	87	65	64	92
52	56	53	64	82	89	97	96	90	91	85	70	59	97
53	56	56	74	82	92	102	98	100	100	85	71	55	102
54	49	66	66	83	86	98	95	93	96	88	69	45	98
55	44	50	69	80	88	92	101	99	94	77	66	49	101
56	44	46	58	80	92	96	99	97	87	83	69	61	99
57	56	62	70	79	84	93	93	93	92	71	60	55	93
58	39	53	52	83	85	88	90	93	88	84	72	48	93
59	41	50	74	75	91	93	92	95	95	72	63	57	95
60	58	42	69	86	82	85	93	94	98	80	68	60	98
61	54	60	70	74	84	92	91	92	90	80	73	64	92
62	42	51	69	87	93	93	89	93	91	84	60	62	93
63	41	49	79	80	89	94	98	93	88	88	67	56	98
64	59	53	64	83	91	100	95	97	94	78	72	49	100
65	61	57	53	74	86	96	97	94	89	80	71	59	97
66	47	56	73	74	85	94	98	91	90	80	69	61	98
67	64	47	77	75	94	94	92	90	86	88	58	62	94
68	51	55	79	80	83	95	94	96	88	84	72	54	96
69	52	41	72	79	93	94	96	93	83	84	55	46	96
70	51	50	55	85	88	98	99	89	89	76	58	70	99
71	43	60	76	88	94	99	91	93	95	87	73	63	99
72	50	64	73	77	87	93	97	95	83	74	58	50	97
73	59	53	72	76	80	92	96	97	91	80	64	61	97
74	54	57	77	83	87	91	98	90	88	78	76	45	98
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

5723 Extreme Values Jan 1969

MAXIMUM TEMPERATURE
FROM DAILY OBSERVATIONS)

45-77

YEARS

WHOLE DEGREES FAHRENHEIT

[illegible]

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)14855 GLENVIEW, ILLINOIS
STATION NAME

45-77

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
43				29	32	34	43	49	44	30	16	11-	
46	4-	4-		26	37	38	54			33		2-	
47	2-				31	43	40	50					
48	10-	6-	2-	27	32	44	51	49	47	21	23	10	10-
49	4-	1-	12	26	35	47	54	50	35	28	12	3	4-
50	4-	5-	1-	20	35	43	51	45	37	31	3-	12-	12-
51	20-	16-	12	29	37	41	51	51	34	30	7	14-	20-
52	5-	14	4	26	37	46	53	48	40	23	12	14	5-
53	1	0	10	27	36	46	52	51	37	33	16	1	0
54	10-	5	10	16	31	44	51	53	44	28	21	14	10-
55	11-	8-	4	33	37	48	57	54	42	32	3	0	11-
56	0	7	17	27	37	39	52	51	32	34	12	5	0
57	11-	9	13	22	38	41	58	52	39	28	11	3	11-
58	1-	8-	24	29	36	44	55	46	39	34	2	9-	9-
59	8-	8-	15	27	38	47	52	56	38	29	2	13	8-
60	6	5	1	23	34	50	54	55	44	27	19	11-	11-
61	7-	12	19	22	34	47	53	53	37	31	22	6-	7-
62	16-	5-	9-	25	40	46	52	52	39	22	25	6-	16-
63	18-	7-	9	29	31	42	53	49	43	34	25	8-	18-
64	2	5	11	24	39	46	53	49	40	27	8	3	2
65	10-	10-	4	28	38	48	47	45	41	29	20	11	10-
66	17-	3-	18	30	28	44	57	53	43	30	23	6	17-
67	11-	8-	8	28	33	48	52	49	38	28	16	11-	11-
68	12-	1-	13	27	33	50	51	49	45	32	24	9-	12-
69	8-	10	11	26	40	42	57	57	45	27	15	14	8-
70	12-	8-	11	28	36	46	52	54	39	31	9	7	12-
71	6-	7-	16	24	33	52	51	53	40	37	16	11	7-
72	15-	7-	7	22	36	38	47	48	36	26	23	3-	15-
73	1	4	24	26	35	52	57	58	46	36	20	1	1
74	11-	4	7	24	32	50	58	52	33	27	22	8	11-
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

5723 Extreme Values Jan 1969

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION	STATION NAME
14955	GLENVIEW, ILLINOIS

45-77

YEARS

WHOLE DEGREES FAHRENHEIT

196207

5723 Extreme Values Jan 1969

[illegible]

NAVWEASERVCOM

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION	STATION NAME
14955	GLENVIEW, ILLINOIS

45-77

YEARS

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

[illegible]

PSYCHROMETRIC SUMMARY

14855 PSYCHROMETRIC SUMMARY JAN 68

73-77

GLENVIEW, ILLINOIS

STATION NAME

JAN

MONTH

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		D.B./W.B.	TOTAL		Dew Point
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	≥31	Dry Bulb		Wet Bulb		
58/ 57				.1									.1																				2	2	2	1	
56/ 55		.2		.2					.1																								6	6	2	2	
54/ 53		.2	.2					.2																									8	8	2	2	
52/ 51	.1	.2				.1		.2																									7	7	8	3	
50/ 49			.2	.2	.2	.1		.2																									4	4	3	3	
48/ 47		.2	.2	.2	.2	.3		.2																									10	10	6	3	
46/ 45		.2	.2	.2	.2	.2		.1																									6	6	5	3	
44/ 43	.2	.6	.1			.1		.2																									14	14	13	5	
42/ 41	.3	.6	.2	.2	.2	.2		.2																									13	18	16	7	
40/ 39	.2	.7	.5	.5	.5	.5		.2																									23	23	16	13	
38/ 37	.6	1.3	1.4	.5	.5	.2		.2																									49	49	22	29	
36/ 35	.7	2.1	2.3	.2	.2	.2		.2																									69	69	47	21	
34/ 33	.6	3.9	2.1	.2	.2	.2																											83	83	63	22	
32/ 31	.7	4.1	2.2			.4																											87	87	90	42	
30/ 29	1.3	3.4	1.6	.4																													83	83	100	71	
28/ 27	.7	2.9	.7	.3																													58	58	78	71	
26/ 25	1.1	4.0	1.0	.3																													79	79	71	81	
24/ 23	1.2	2.8	.3																														54	54	75	77	
22/ 21	.9	3.3	.4																														57	57	60	69	
20/ 19	1.2	2.7	.8																														58	58	63	71	
18/ 17	1.0	1.9	.3																														39	39	46	53	
16/ 15	1.0	2.2	.2																														41	41	48	52	
14/ 13	1.5	2.1	.4																														49	49	47	43	
12/ 11	1.1	2.9	.1																														50	50	53	45	
10/ 9	1.2	2.4	.2																														47	47	50	47	
8/ 7	1.2	2.4																															45	45	40	56	
6/ 5	.7	2.2																															36	36	39	38	
4/ 3	.6	2.2	.1																														36	36	41	37	
2/ 1	.6	2.3	.2																														38	38	34	34	
0/- 1	1.1	.6	.1																														22	22	30	37	
2/- 3	.6	1.1																															22	22	25	22	
4/- 5	.6	.2																															10	10	15	35	
6/- 7	.6	.1																															8	8	9	33	
8/- 9	.4																																5	5	6	21	
Element (X)	Σ X																X̄		Mean No. of Hours with Temperature														Σ X ²		Total		
Rel. Hum.																																					
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

14855

GLENVIEW, ILLINOIS

73-77

JAN

PSYCHROMETRIC SUMMARY JAN 68

PAGE 2

HOURS (L.S.T.)

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL	DB./WB.	Dry Bulb	Wet Bulb	Dew Point
10/-11	.6																	7	7	7	7	19
12/-13	.2																	3	3	3	3	19
14/-15	.3																	4	4	4	4	15
16/-17																						10
18/-19																			3	3	3	4
20/-21																						4
22/-23																						3
24/-25																						5
26/-27																						3
28/-29																						5
30/-31																						1
TOTAL	23.2	55.7	16.2	3.4	1.5		.1											1237	1240	1237	1237	

Element (X)	ΣX ²	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	7267430	93094	75.3	14.541	1237	≤ 0 F	≤ 32 F	≥ 67 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	638201	27263	22.0	13.882	1240	50.4	564.6				744.0
Wet Bulb	729037	25321	20.5	13.057	1237	59.5	621.9				744.0
Dew Point	568522	18630	15.1	15.263	1237	141.9	675.4				744.0

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PSYCHROMETRIC SUMMARY

05 PSYCHROMETRIC SUMMARY JAN 68

14855 GLENVIEW, ILLINOIS

73-77

FEB

MONTH

YEARS

STATION NAME

14855

GLENVIEW, ILLINOIS

73-77

FEB

MONTH

YEARS

STATION NAME

14855

GLENVIEW, ILLINOIS

73-77

FEB

MONTH

YEARS

STATION NAME

14855

GLENVIEW, ILLINOIS

73-77

FEB

MONTH

YEARS

STATION NAME

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GLENVIEW, ILLINOIS

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YEARS

STATION NAME

14855

GLENVIEW, ILLINOIS

73-77

FEB

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
72/ 71												.1						1	1			
66/ 65									.2	.1								3	3			
64/ 63									.1									2	2			
62/ 61				.1				.2										3	3			
60/ 59			.1	.2				.1										6	6			
58/ 57			.1					.2										4	4			
56/ 55		.1	.1	.1	.4			.2	.1									10	10	3	1	
54/ 53		.2	.2	.2	.2			.1										6	6	4	4	
52/ 51		.2		.2	.2	.1												7	7	8	8	
50/ 49	.1	.1	.1	.8	.4													17	17	10	2	
48/ 47	.4	.4	.4	.4	.5	.2												24	24	14	9	
46/ 45	.1	.3	.9	1.0	.4	.1												30	30	18	5	
44/ 43	.1	.5	.7	.8	.4	.1	.1											31	31	20	9	
42/ 41	.1	.3	1.2	.9	.1	.1	.1											31	31	27	13	
40/ 39	.2	1.3	1.5	1.3	.2	.1												52	52	34	18	
38/ 37	.8	1.5	1.3	1.2	.3													58	58	48	34	
36/ 35	1.2	2.3	3.5	1.2														92	92	70	33	
34/ 33	1.2	4.3	2.4	.9														98	98	82	67	
32/ 31	1.3	3.9	3.1	.2														96	96	124	76	
30/ 29	.9	4.3	2.1	.3														85	85	105	75	
28/ 27	.6	3.4	1.9	.2														68	68	88	84	
26/ 25	.6	2.3	1.5	.3														53	53	73	82	
24/ 23	.4	3.5	1.1															56	56	52	71	
22/ 21	.4	3.4	1.2															56	56	57	74	
20/ 19	.1	1.9	.4															26	26	54	75	
18/ 17	.2	2.5	.3															33	33	26	43	
16/ 15	.1	2.3	.3															30	30	37	29	
14/ 13	.3	1.8	.1															24	24	30	45	
12/ 11	.2	2.4																29	29	35	39	
10/ 9	.5	1.8	.1															27	27	30	31	
8/ 7	.6	1.1																19	19	22	48	
6/ 5	.8	.4	.1															15	15	17	29	
4/ 3	.3	.4																8	8	9	37	
2/ 1	.1	.8																10	10	9	31	
Element (X)	ΣX											ΣX		Mean No. of Hours with Temperature					Total			
Rel. Hum.														≤ 0 F					≥ 80 F			
Dry Bulb														≤ 32 F					≥ 73 F			
Wet Bulb																						
Dew Point																						

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PSYCHROMETRIC SUMMARY

STATION 14855 GLENVIEW, ILLINOIS 73-77 MAR MONTH
 STATION NAME YEARS PAGE 1 HOURS (L.S.T.)

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	Dry Bulb	Wet Bulb	TOTAL Dew Point
78/ 77								.1										1	1		
76/ 75										.2								2	2		
74/ 73							.2											2	2		
72/ 71					.1	.1	.1	.2	.1									6	6		
70/ 69						.2												3	3		
68/ 67				.1	.1	.1		.1	.1	.1	.2							8	8		
66/ 65			.1	.1	.1	.3	.2	.1	.1	.1								12	12	2	
64/ 63		.1	.2	.7	.3	.2	.2	.1	.1	.1								26	26		
62/ 61		.3	.1	.3	.2	.2	.2	.1	.1									15	15	8	
60/ 59	.1	.3	.1	.3	.2	.4	.2	.3										24	24	10	4
58/ 57	.1	.2	.3	.5	.2	.1	.2	.2										23	23	21	6
56/ 55	.2	.2	.3	.4	.4	.6	.2	.2										29	29	20	17
54/ 53	.2	.1	.4	.7	.1	.4	.2	.1										26	26	24	14
52/ 51	.2	.4	.4	.6	.5	.5	.1	.1										34	34	27	12
50/ 49	.3	.4	.8	.8	.6	.3		.1										42	42	37	17
48/ 47	.2	1.0	1.0	1.2	.9	.2	.1											56	56	31	30
46/ 45	.8	1.4	1.0	1.0	.9	.1	.1											64	64	65	43
44/ 43	.6	.7	1.3	1.5	.6	.4												63	63	63	35
42/ 41	.9	1.5	2.1	1.6	.5	.1												82	82	64	43
40/ 39	.7	1.5	2.6	1.1	.5	.2												83	83	77	48
38/ 37	1.1	3.8	1.6	1.4	.2													100	100	99	60
36/ 35	1.5	3.0	2.9	.7	.3													105	105	120	83
34/ 33	2.0	3.0	2.7	.6	.2													107	107	106	129
32/ 31	1.3	2.4	2.3	1.0	.1													87	87	108	88
30/ 29	1.0	2.0	1.8	.2														61	61	97	97
28/ 27	.8	2.1	2.2	.1														64	64	71	87
26/ 25	.5	1.0	.9															30	30	65	82
24/ 23	.3	1.0	.4	.2														24	24	36	68
22/ 21	.1	.8	.3															15	15	26	58
20/ 19		.9	.2															13	13	20	44
18/ 17		.9	.2															13	13	9	45
16/ 15		1.0																12	12	13	35
14/ 13		.2	.1															4	4	13	20
12/ 11	.1																	1	1	4	22
Element (X)	ΣX ²	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	Mean No. of Hours with Temperature	≥80 F	≥93 F	Total
Rel. Hum.																					
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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PSYCHROMETRIC SUMMARY

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14855 GLENVIEW, ILLINOIS 73-77 MAR MONTH
STATION STATION NAME YEARS
PAGE 2 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
10/ 9		.1																1	1	1	15	
8/ 7	.1	.1																2	2	2	19	
6/ 5																				1	5	
4/ 3																					2	
2/ 1																					2	
0/- 1																					1	
- 2/- 3																					1	
- 4/- 9																					1	
TOTAL	13.130	226.2	14.9	7.0	4.3	1.9	1.4	.5	.4	.2								1240	1240	1240	1240	

Element (X)	$\sum X^2$	$\sum X$	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F		
Rel. Hum.	6847404	89422	72.1	17.940	1240								
Dry Bulb	2124457	49273	39.7	11.593	1240		196.2	13.2	3.0			744.0	
Wet Bulb	1733743	44697	36.0	9.947	1240		279.6					744.0	
Dew Point	1311942	37888	30.6	11.158	1240	2.4	419.4					744.0	

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PSYCHROMETRIC SUMMARY

14855

GLENVIEW, ILLINOIS

73-77

YEARS

APR

MONTH

PAGE 1

HOURS (L.S.T.)

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PSYCHROMETRIC SUMMARY

JAN 68

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0000

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
86/ 85												.1	.1					2	2			
84/ 83												.1	.2	.4	.2			12	12			
82/ 81												.1	.2	.2				9	9			
80/ 79												.1	.2	.1				10	10			
78/ 77											.1							10	10			
76/ 75											.3							15	15			
74/ 73					.1	.3	.2	.2	.4	.1	.2							19	19			
72/ 71				.2	.2	.2	.2	.2	.4	.2	.2							16	16			
70/ 69		.1	.2	.4	.3	.4	.3	.3	.3	.1	.1	.2						29	29			
68/ 67		.3	.3	.7	.1	.4	.3	.2	.2	.2	.2	.2						36	36	8	1	
66/ 65		.5	.3	.3	.2	.7	.7	.1	.1	.1	.1							35	35	16	1	
64/ 63	.2	.9	.2	.2	.2	.3	.2	.2	.2	.3	.1							35	35	47	17	
62/ 61	.1	.7	1.0	.1	.2	.4	.3	.6	.2	.1								43	43	42	19	
60/ 59		.6	.3	.4	.4	.2	.4	.2	.2	.2								33	33	46	26	
58/ 57	.1	.5	.2	.6	.7	.6	.7	.4										45	45	42	30	
56/ 55	.2	.3	.5	.2	.6	.4	.7	.4	.1									41	41	36	28	
54/ 53	.2	.5	.4	.7	.8	.5	.3											42	42	34	32	
52/ 51	.1	.7	1.2	.8	1.1	1.2	.4	.1										68	68	37	28	
50/ 49	.4	.6	1.3	1.2	.6	.8	.3											64	64	46	35	
48/ 47	.4	.7	1.2	.7	1.7	.8	.1											67	67	74	49	
46/ 45	.2	1.7	1.1	2.1	1.0	.6	.1											81	81	71	44	
44/ 43	.1	1.2	2.3	1.1	1.2	.2												74	74	89	55	
42/ 41	.3	1.2	1.7	1.4	.6	.2	.1											67	67	79	67	
40/ 39	.3	1.1	2.2	.8	.2	.1												57	57	97	49	
38/ 37	.7	1.5	1.5	1.0	.2													58	58	89	67	
36/ 35	.8	1.6	2.3	1.1														70	70	84	80	
34/ 33	.4	2.8	1.4	.7	.1													65	65	66	82	
32/ 31	.7	1.9	1.4	.2														52	52	85	105	
30/ 29	.4	1.2	.4	.2														26	26	56	86	
28/ 27		.2	.2															5	5	32	68	
26/ 25	.1	.3	.1															6	6	10	69	
24/ 23		.2	.2															5	5	6	61	
22/ 21		.1																1	1	4	39	
20/ 19		.1																1	1	2	21	
Element (X)	Σ X											Σ X ²		Mean No. of Hours with Temperature							Total	
Rel. Hum.														≤ 0 F							≥ 93 F	
Dry Bulb														≤ 32 F							≥ 73 F	
Wet Bulb														≤ 67 F							≥ 80 F	
Dew Point																						

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PSYCHROMETRIC SUMMARY

STATION 14855 GLENVIEW, ILLINOIS 73-77 YEARS MONTH MAY PAGE 1 HOURS (L.S.T.)

PSYCHROMETRIC SUMMARY JAN 68

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
92/ 91										.1	.1	.1						1	1		
90/ 89										.2	.2		.1					3	3		
88/ 87										.1	.2	.2	.1	.1				16	16		
86/ 85										.1	.2	.2	.1	.1				7	7		
84/ 83										.1	.2	.2	.1	.1				12	12		
82/ 81										.2	.2	.2	.1	.1				18	18		
80/ 79										.2	.2	.2	.1	.1				19	19		
78/ 77										.2	.2	.2	.1	.1				26	26		
76/ 75										.2	.2	.2	.1	.1				24	24		
74/ 73										.2	.2	.2	.1	.1				42	42		
72/ 71										.2	.2	.2	.1	.1				40	40		1
70/ 69										.2	.2	.2	.1	.1				49	49		3
68/ 67										.2	.2	.2	.1	.1				60	60		9
66/ 65										.2	.2	.2	.1	.1				57	57		22
64/ 63										.2	.2	.2	.1	.1				57	57		44
62/ 61										.2	.2	.2	.1	.1				70	70		57
60/ 59										.2	.2	.2	.1	.1				87	87		67
58/ 57										.2	.2	.2	.1	.1				86	86		51
56/ 55										.2	.2	.2	.1	.1				89	89		65
54/ 53										.2	.2	.2	.1	.1				63	63		74
52/ 51										.2	.2	.2	.1	.1				91	91		87
50/ 49										.2	.2	.2	.1	.1				81	81		88
48/ 47										.2	.2	.2	.1	.1				72	72		72
46/ 45										.2	.2	.2	.1	.1				60	60		80
44/ 43										.2	.2	.2	.1	.1				32	32		82
42/ 41										.2	.2	.2	.1	.1				27	27		70
40/ 39										.2	.2	.2	.1	.1				29	29		81
38/ 37										.2	.2	.2	.1	.1				13	13		75
36/ 35										.2	.2	.2	.1	.1				7	7		58
34/ 33										.2	.2	.2	.1	.1				2	2		55
32/ 31										.2	.2	.2	.1	.1				4	4		42
30/ 29										.2	.2	.2	.1	.1							23
28/ 27										.2	.2	.2	.1	.1							16
26/ 25										.2	.2	.2	.1	.1							9
Element (X)	Mean No. of Hours with Temperature																TOTAL		TOTAL		
Rel. Hum.	≤ 0 F																≥ 80 F	≥ 93 F	Total		
Dry Bulb																					
Wet Bulb																					
Dew Point																					

PSYCHROMETRIC SUMMARY

14855 PSYCHROMETRIC SUMMARY JAN 68

STATION GLENVIEW, ILLINOIS

73-77

JUN

YEARS

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	Dry Bulb	
94/ 93															.1			1	1	
92/ 91															.1	.1		9	9	
90/ 89														.2				13	13	
88/ 87														.2				25	25	
86/ 85														.2				31	31	
84/ 83														.1				29	29	
82/ 81														.1				58	58	
80/ 79														.1				50	50	
78/ 77																		62	62	5
76/ 75																		74	74	12
74/ 73																		84	84	30
72/ 71																		95	95	78
70/ 69																		91	91	81
68/ 67																		79	79	114
66/ 65																		95	95	105
64/ 63																		80	80	125
62/ 61																		80	80	128
60/ 59																		69	69	114
58/ 57																		55	55	106
56/ 55																		46	46	93
54/ 53																		26	26	78
52/ 51																		30	30	68
50/ 49																		9	9	34
48/ 47																		4	4	13
46/ 45																		3	3	6
44/ 43																		2	2	9
42/ 41																		1	1	22
40/ 39																				11
38/ 37																				6
36/ 35																				5
34/ 33																				2
TOTAL	5.2	14.3	16.7	14.2	11.7	9.8	8.5	6.0	4.7	4.8	2.4	.8	.5	.2	.1			1200	1200	1200

Element (X)	ΣX ²	ΣX	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	5954515	81319	67.8	19.240	1200	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	5839699	82909	69.1	9.641	1200						.6	720.0
Wet Bulb	4597806	73822	61.5	6.858	1200							720.0
Dew Point	3925864	67976	56.6	7.922	1200							720.0

Mean No. of Hours with Temperature

No. Obs.

σ_x

\bar{x}

Σx

Σx^2

Element (X)

Rel. Hum.

Dry Bulb

Wet Bulb

Dew Point

≥ 80 F

≥ 73 F

≥ 67 F

≤ 0 F

1200

1200

1200

1200

1200

1200

1200

1200

1200

1200

≥ 80 F

≥ 73 F

≥ 67 F

≤ 0 F

1200

1200

1200

1200

1200

1200

1200

1200

1200

1200

≥ 80 F

≥ 73 F

≥ 67 F

≤ 0 F

1200

1200

1200

1200

1200

1200

1200

1200

1200

1200

≥ 80 F

≥ 73 F

≥ 67 F

≤ 0 F

1200

1200

1200

1200

1200

1200

1200

1200

1200

1200

≥ 80 F

≥ 73 F

≥ 67 F

≤ 0 F

1200

1200

1200

1200

1200

1200

1200

1200

1200

1200

≥ 80 F

≥ 73 F

≥ 67 F

≤ 0 F

1200

1200

1200

1200

1200

1200

1200

1200

1200

1200

≥ 80 F

≥ 73 F

≥ 67 F

≤ 0 F

1200

1200

1200

1200

1200

1200

1200

1200

1200

1200

≥ 80 F

≥ 73 F

≥ 67 F

≤ 0 F

1200

1200

1200

1200

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1200

PSYCHROMETRIC SUMMARY

14855

STATION NAME
GLENVIEW, ILLINOIS

73-77

YEARS

JUL

MONTH

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL		Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	DB./W.B.	Dry Bulb	Wet Bulb			
98/ 97														.2				.1	.1	4	4		
96/ 95																		.6	.2	14	14		
94/ 93																		.5	.2	21	21		
92/ 91																		.4	.1	16	16		
90/ 89																		.6	.2	31	31		
88/ 87																		1.0	.3	52	52		
86/ 85																		.8	.4	52	52		
84/ 83																		.5	.4	46	46		
82/ 81																		1.0	.1	78	78		
80/ 79																		.6	.2	87	87		
78/ 77																		.2	.2	115	115		
76/ 75																		.3	.1	112	112		
74/ 73																		.4	.1	118	118		
72/ 71																		.2	.1	105	105		
70/ 69																		.1		122	122		
68/ 67																				103	103		
66/ 65																				76	76		
64/ 63																				64	64		
62/ 61																				44	44		
60/ 59																				47	47		
58/ 57																				23	23		
56/ 55																				7	7		
54/ 53																				7	7		
52/ 51																				1	1		
50/ 49																							
48/ 47																							
46/ 45																							
44/ 43																							
42/ 41																							
40/ 39																							
38/ 37																							
TOTAL	2.5	8.6	15.6	16.4	14.2	9.9	8.6	8.0	6.9	5.5	2.6	.8	.2	.2					1240	1240	1240		

Element (X)	ΣX ²	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	5818399	82215	66.3	17.218	1240	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total	
Dry Bulb	7093292	93198	75.2	8.454	1240	628.2	447.6	216.0	23.4	744.0	
Wet Bulb	5553634	82700	66.7	5.543	1240	398.4	116.4			744.0	
Dew Point	4827996	76948	62.1	6.540	1240	214.8	42.0			744.0	

Mean No. of Hours with Temperature

Element (X)	$\sum X^2$	$\sum X$	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature				Total
Rel. Hum.	5818399	82215	66.3	17.218	1240	≥73 F	≥80 F	≥93 F		744.0
Dry Bulb	7093292	93198	75.2	8.454	1240	628.2	447.6	216.0	23.4	744.0
Wet Bulb	5553634	82700	66.7	5.543	1240	398.4	116.4			744.0
Dew Point	4827996	76948	62.1	6.540	1240	214.8	42.0			744.0

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PSYCHROMETRIC SUMMARY

05 PSYCHROMETRIC SUMMARY JAN 68

14855 GLENVIEW, ILLINOIS 73-77 AUG MONTH
PAGE 1 HOURS (L.S.T.)

STATION NAME YEARS

STATION NAME

STATION

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb		Wet Bulb	Dew Point
98/ 97												.1						1	1		
96/ 95												.1	.2					3	3		
94/ 93												.1	.2	.2				4	4		
92/ 91											.2	.2	.2	.2				11	11		
90/ 89								.2			.2	.2	.2	.1				21	21		
88/ 87								.1	.6	1.0	.3	.1	.2					28	28		
86/ 85								.1	.1	.4	.5	.5	.1	.2	.1			23	23		
84/ 83								.8	1.2	.2	1.0	.5	.2	.2				51	51		
82/ 81			.1	.4	.6	.6	1.5	.7	.2	.1								52	52		
80/ 79			.5	1.0	2.3	1.3	1.5	.5	.7	.3		.1						101	101	5	
78/ 77			.8	1.3	1.4	1.0	1.1	1.0	.4	.2								89	89	16	
76/ 75		.5	2.4	1.2	1.5	1.7	.6	.3	.5	.3								113	113	60	
74/ 73		1.0	2.0	1.3	1.5	1.5	.8	.6	.2									110	110	77	
72/ 71	.2	2.2	2.0	2.2	1.4	1.2	.6	.3										125	125	130	
70/ 69	.5	1.9	2.7	1.6	1.9	.9	.7	.2										128	128	143	
68/ 67	.5	1.5	2.2	1.5	.9	.6	.2											91	91	141	
66/ 65	.2	1.6	2.0	2.0	.6	.5	.1											87	87	153	
64/ 63	.6	2.3	1.9	.6	.5	.2												77	77	134	
62/ 61	1.0	1.6	.6	.6	.1													49	49	138	
60/ 59	.3	.6	.7	.5	.1													28	28	111	
58/ 57	.1	.7	1.0	.3														26	26	59	
56/ 55		.5	.7															15	15	31	
54/ 53	.2	.3																7	7	28	
52/ 51																			14	14	
50/ 49																				46	
48/ 47																				15	
46/ 45																				11	
44/ 43																				2	
42/ 41																				1	
TOTAL	3.5	14.9	19.7	14.5	13.5	11.1	8.5	7.2	4.1	1.7	1.0	.2						1240	1240	1240	
Element (X)																					
Rel. Hum.		6651264			88498																Total
Dry Bulb		6619799			90051																≥ 93 F
Wet Bulb		5401872			81528																≥ 80 F
Dew Point		4811945			76805																≥ 73 F
																					≥ 67 F
																					≥ 32 F
																					≤ 0 F
																					Mean No. of Hours with Temperature
																					≥ 73 F
																					≥ 67 F
																					≥ 32 F
																					≤ 0 F
																					Mean No. of Hours with Temperature
																					≥ 73 F
																					≥ 67 F
																					≥ 32 F
																					≤ 0 F
																					Mean No. of Hours with Temperature
																					≥ 73 F
																					≥ 67 F
																					≥ 32 F
																					≤ 0 F
																					Mean No. of Hours with Temperature
																					≥ 73 F
																					≥ 67 F
																					≥ 32 F
																					≤ 0 F
																					Mean No. of Hours with Temperature
																					≥ 73 F
																					≥ 67 F
																					≥ 32 F
																					≤ 0 F
																					Mean No. of Hours with Temperature
																					≥ 73 F
																					≥ 67 F
																					≥ 32 F
																					≤ 0 F
																					Mean No. of Hours with Temperature
																					≥ 73 F
																					≥ 67 F
																					≥ 32 F
																					≤ 0 F
																					Mean No. of Hours with Temperature
																					≥ 73 F
																					≥ 67 F
																					≥ 32 F
																					≤ 0 F
																					Mean No. of Hours with Temperature
																					≥ 73 F
																					≥ 67 F
																					≥ 32 F
																					≤ 0 F
																					Mean No. of Hours with Temperature
																					≥ 73 F
																					≥ 67 F
																					≥ 32 F
																					≤ 0 F
																					Mean No. of Hours with Temperature
																					≥ 73 F
																					≥ 67 F
																					≥ 32 F
																					≤ 0 F
																					Mean No. of Hours with Temperature
																					≥ 73 F
																					≥ 67 F
																					≥ 32 F
																					≤ 0 F
																					Mean No. of Hours with Temperature
																					≥ 73 F
																					≥ 67 F
																					≥ 32 F
																					≤ 0 F
																					Mean No. of Hours with Temperature
																					≥ 73 F
																					≥ 67 F
																					≥ 32 F
																					≤ 0 F
																					Mean No. of Hours with Temperature
																					≥ 73 F
																					≥ 67 F
																					≥ 32 F
																					≤ 0 F
																					Mean No. of Hours with Temperature
																					≥ 73 F
																					≥ 67 F
																					≥ 32 F

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Mean No. of Hours with Temperature

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	$\geq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	Total
Rel. Hum.	6651264	88498	71.4	16.448	1240							
Dry Bulb	6619799	90051	72.6	8.042	1240							744.0
Wet Bulb	5401872	81528	65.7	5.790	1240							744.0
Dew Point	4811945	76805	61.9	6.643	1240							744.0

PSYCHROMETRIC SUMMARY

14855 GLENVIEW, ILLINOIS 73-77 SEP MONTH
STATION NAME YEARS PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
90/ 89							.1	.1	.1	.2								5	5		
88/ 87							.2	.1	.1	.2		.1						8	8		
86/ 85					.1		.1	.2	.1	.1								6	6		
84/ 83						.1	.2	.2	.4	.2	.2							16	16		
82/ 81				.2	.4	.2	.2	.2	.3	.2	.3							21	21		
80/ 79				.4	.5	.5	.2	.2	.3	.6	.2	.3						32	32		
78/ 77				.6	.4	.2	.2	.4	.2	.2	.2	.1						28	28		
76/ 75			.6	.3	.4	.5	1.1	.7	.4	.2	.2	.2						51	51		4
74/ 73		.4	.7	.6	.2	.5	.5	.6	.2	.1	.2	.2						44	44		4
72/ 71	.1	.7	.7	.6	.7	1.2	.5	.3	.1	.1								59	59		8
70/ 69	.1	.7	.7	.9	1.2	1.0	1.0	.8	.2	.2								81	81		34
68/ 67	.1	.8	1.2	1.0	1.1	1.3	1.0	.4	.4	.4								89	89		39
66/ 65	.4	1.6	1.3	1.6	1.2	.7	.4	.3	.1									93	93		39
64/ 63	.7	2.6	1.7	1.7	1.4	1.7	.6	.2										128	128		62
62/ 61	.1	2.2	1.4	1.7	1.3	.6	.2	.1										93	93		66
60/ 59	.1	1.9	1.5	2.2	1.1	.7	.2	.1										94	94		71
58/ 57	.2	1.8	1.7	2.2	.9	.2	.2	.1										88	88		98
56/ 55	.2	1.2	2.6	1.6	.7	.5	.2											82	82		94
54/ 53	.4	1.1	1.7	.8	.5	.2												57	57		94
52/ 51	.4	1.5	.7	.3	.2	.1												39	39		107
50/ 49	.1	1.1	.6	.7	.2													35	35		71
48/ 47		.7	.6	.2	.1													20	20		44
46/ 45	.1	.4	.2	.2														11	11		42
44/ 43	.1	.2	.4	.1														10	10		52
42/ 41			.2															3	3		33
40/ 39			.2															3	3		31
38/ 37			.1															1	1		16
36/ 35		.1																1	1		22
34/ 33		.1	.1															2	2		14
32/ 31																					9
30/ 29																					6
28/ 27																					3
TOTAL	3.0	19.2	19.3	17.5	12.8	10.3	7.2	5.3	3.1	1.3	.7	.1						1200	1200	1200	1200
Element (X)		ΣX ²	ΣX	ΣX	ΣX	ΣX	ΣX	σ _x	No. Obs.	Mean No. of Hours with Temperature							TOTAL				
Rel. Hum.		6267883	84225	70.2	17.239	1200	1200	1200	1200	≥67 F	≥73 F	≥80 F	≥93 F	Total							
Dry Bulb		4989683	76557	63.8	9.382	1200	1200	1200	1200	264.0	126.6	42.6		720.0							
Wet Bulb		4041392	69032	57.5	7.652	1200	1200	1200	1200	1.2	90.0	13.2		720.0							
Dew Point		3457674	63532	52.9	8.858	1200	1200	1200	1200	10.8	51.0	3.6		720.0							

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PSYCHROMETRIC SUMMARY

14855

GLENVIEW, ILLINOIS

73-77

OCT

STATION

STATION NAME

YEARS

MONTH

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
88/ 87											.1							1	1		
86/ 85											.1							1	1		
84/ 83																		1	1		
82/ 81									.1									3	3		
80/ 79									.2									4	4		
78/ 77					.2	.2	.1	.2	.2	.1								9	9		
76/ 75				.1		.2	.6	.5	.5	.1								17	17		
74/ 73				.1		.4	.2	.2	.2	.2								13	13		
72/ 71		.2	.1	.1	.3	.6	.6	.3	.2	.2	.2							31	31	2	
70/ 69		.4	.2	.2	.2	.7	.4	.2	.2	.1	.1							31	31	3	
68/ 67	.1	.4	.2	.5	.5	.4	.5	.4	.2	.5								40	40	12	6
66/ 65	.1	1.0	.6	.6	1.0	.6	.3	.2	.5									60	60	21	11
64/ 63	.3	1.0	.8	.7	.6	.9	.9	.4	.2	.1								73	73	45	19
62/ 61	.6	.4	.5	1.0	.9	.6	.6	.1										59	59	52	23
60/ 59	.5	.6	1.0	1.0	.6	.3	.4	.1										56	56	59	34
58/ 57	.5	1.2	.6	1.1	.8	.3	.6	.2										67	67	61	44
56/ 55	.2	.8	1.1	1.5	1.0	1.0	.5											75	75	69	56
54/ 53	.2	.8	1.0	1.0	.8	.7	.3											59	59	71	56
52/ 51	.4	2.3	2.0	1.1	1.1	.3	.1											91	91	89	52
50/ 49	.9	2.3	2.7	1.6	.7	.4												107	107	99	76
48/ 47	1.4	2.4	1.7	2.0	.6	.2												103	103	112	90
46/ 45	.9	2.3	1.8	1.5	.6	.2	.1											91	91	110	107
44/ 43	1.6	1.7	1.5	.9	.2													74	74	121	104
42/ 41	1.2	1.5	1.5	.4	.2													60	60	100	91
40/ 39	.6	.6	1.1	.5	.1													36	36	69	77
38/ 37	.6	1.0	.6	.3														33	33	51	98
36/ 35	.6	.7	.6															23	23	42	84
34/ 33	.1	.2	.2															7	7	24	62
32/ 31	.2	.2																6	6	16	53
30/ 29	.2	.3																6	6	6	32
28/ 27		.1																1	1	3	24
26/ 25		.1																1	1	2	20
24/ 23		.1																1	1	1	12
22/ 21																					4
Element (X)	ΣX ²			ΣX			X̄			σ _x			No. Obs.			Mean No. of Hours with Temperature				Total	
Rel. Hum.																≤ 0 F ≤ 32 F ≥ 67 F ≥ 93 F					
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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PSYCHROMETRIC SUMMARY

05 PSYCHROMETRIC SUMMARY JAN 68

14855 GLENVIEW, ILLINOIS

73-77

STATION NAME

STATION

2

1478 2097-54321

NOV

YEARS

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL D.B./W.B.	Wet Bulb	Dew Point				
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31										
76/ 75										.1								1	1								
74/ 73						.2	.2	.1										3	3								
72/ 71					.2	.2	.1											6	6								
70/ 69			.1		.2	.1												4	4								
68/ 67				.2		.1			.1									6	6								
66/ 65			.6	.4		.2	.2	.1	.1									14	14	2							
64/ 63		.6	.9	.2		.2	.2	.1	.1									27	27	5							
62/ 61	.1	1.1	.3	.4	.1	.3	.2	.2	.1									25	25	30	3						
60/ 59	.7	1.2	.2	.4	.3	.3	.2	.2	.2									40	40	40	33						
58/ 57	.2	.8	.3	.2	.5	.2	.2	.2	.2	.1								29	29	24	42						
56/ 55	.7	1.6	.7	.3	.7	.4	.2	.1	.1									57	57	27	23						
54/ 53	.7	.9	.7	.3	.5	.5	.3	.2	.2									48	48	39	28						
52/ 51	.1	.2	.9	.5	.3	.3	.1	.1	.1									30	30	32	25						
50/ 49	.2	1.1	.3	.5	.3	.2	.2	.2	.2									34	34	42	24						
48/ 47	.4	1.5	1.1	.6	.3	.2	.2	.2	.2									51	51	33	32						
46/ 45	.3	1.1	1.7	.8	.3	.3	.4											57	57	54	36						
44/ 43		1.4	1.7	.5	.2	.2	.2											48	48	40	28						
42/ 41	.5	2.4	2.0	1.1	.8	.1	.1											83	83	68	41						
40/ 39	.4	1.3	1.4	1.7	.7	.1	.1											67	67	67	54						
38/ 37	.6	2.2	1.5	2.3	.4													84	84	69	57						
36/ 35	.6	1.4	2.4	1.9	.1													77	77	75	53						
34/ 33	.7	2.8	2.4	.9	.2													84	84	83	71						
32/ 31	1.2	2.7	1.7	.4	.1													74	74	111	74						
30/ 29	1.3	2.1	1.1	.1														55	55	100	60						
28/ 27	1.0	2.6	.7	.2														53	53	71	65						
26/ 25	.7	1.2	.2	.2														28	28	47	94						
24/ 23	.5	1.6	.6															32	32	31	75						
22/ 21	.3	1.2	.2															20	20	27	81						
20/ 19	.5	.4	.2															14	14	26	52						
18/ 17	.6	.5	.1															14	14	15	44						
16/ 15	.2	.2	.1															5	5	9	26						
14/ 13	.2	.2																4	4	5	20						
12/ 11	.1	.3																5	5	5	11						
10/ 9	.2	.5																8	8	5	7						
Element (X)	ΣX																		ΣX ²		Mean No. of Hours with Temperature				Total		
Rel. Hum.																					≤ 0 F	≤ 32 F	≥ 67 F	≥ 80 F	≥ 93 F		
Dry Bulb																											
Wet Bulb																											
Dew Point																											

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PSYCHROMETRIC SUMMARY

GLENVIEW, ILLINOIS

73-77

YEARS

NOV
MONTH

PAGE 2

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
6/ 7		.2																3	3	7	3
6/ 5	.2	.2																5	5	5	14
4/ 3	.1																	1	1	2	5
2/ 1	.1																	1	1	1	9
0/- 1	.2																	2	2	2	5
- 2/- 3	.1																	1	1	1	2
- 4/- 5																					2
- 8/- 9																					1
TOTAL	13.4	35.5	24.4	14.3	6.4	3.7	1.4	.5	.2	.1								1200	1200	1200	1200

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

14855 GLENVIEW, ILLINOIS 73-77 DEC 1968

STATION NAME
GLENVIEW, ILLINOIS
73-77
DEC
MONTH
PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
64/ 63			.1	.1	.1													2	2		
62/ 61		.1	.1	.2	.1													5	5		
60/ 59		.2	.2		.1													6	6	2	
58/ 57		.2	.1	.2	.1													8	8	7	1
56/ 55				.2	.1													4	4	6	4
54/ 53	.1	.1	.2	.2	.2													7	7	2	9
52/ 51			.3	.2	.1													8	8	7	2
50/ 49		.3	.3	.2	.2													12	12	5	1
48/ 47		.2	.2															6	6	14	6
46/ 45		.2	.1	.3														7	7	9	11
44/ 43	.1	.2	.2	.3	.2	.1												13	13	9	10
42/ 41	.2	.6	.8	.6														27	27	8	12
40/ 39	.9	1.5	1.4	.5	.2													54	54	31	19
38/ 37	.4	2.4	1.3	.6														58	58	45	21
36/ 35	1.6	3.5	2.3	.3														95	95	75	43
34/ 33	3.0	4.5	2.1															119	119	111	80
32/ 31	2.9	5.8	2.3															137	137	141	86
30/ 29	1.9	5.4	1.9	.2														115	115	121	97
28/ 27	1.5	3.2	.6															66	66	107	107
26/ 25	1.0	3.5	.6															64	64	70	94
24/ 23	1.9	4.0	.8	.1														83	83	74	82
22/ 21	.9	2.3	.4															44	44	68	91
20/ 19	.5	2.1	.2															34	34	41	50
18/ 17	.7	2.1	.2															37	37	36	48
16/ 15	.8	1.0	.1															24	24	31	40
14/ 13	.5	1.7																27	27	31	47
12/ 11	.9	1.6	.1															32	32	32	35
10/ 9	.4	1.5																24	24	19	29
8/ 7	.2	2.3																32	32	28	26
6/ 5	.6	1.5																25	25	34	25
4/ 3	.2	.6																9	9	16	20
2/ 1	.5	1.4																23	23	20	26
0/- 1	1.2	.2																17	17	22	21
2/- 3	.3	.2																7	7	7	22
Element (X)	ΣX ²			ΣX			̄X	σ _x	Mean No. of Hours with Temperature											Total	
Rel. Hum.																					
Dry Bulb																					
Wet Bulb																					
Dew Point																					

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

14955

STATION NAME
GLENVIEW, ILLINOIS

73-77

YEARS

ALL

MONTH

PAGE 1

HOURS (L.S.T.)

05 PSYCHROMETRIC SUMMARY JAN 68

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		Dew Point		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	≥ 31	D.B./W.B.		Wet Bulb	TOTAL
98/ 97																																		5	5	
96/ 95																																	17	17		
94/ 93																																	26	26		
92/ 91																																	37	37		
90/ 89																																	73	73		
88/ 87																																	130	130		
86/ 85																																	122	122		
84/ 83																																	167	167		
82/ 81																																	239	239		
80/ 79																																	303	303	10	
78/ 77																																	340	340	49	
76/ 75																																	409	409	137	
74/ 73																																	435	435	228	
72/ 71																																	501	501	401	
70/ 69																																	519	519	470	
68/ 67																																	485	485	514	
66/ 65																																	520	520	575	
64/ 63																																	551	551	649	
62/ 61																																	489	489	671	
60/ 59																																	466	466	675	
58/ 57																																	440	440	566	
56/ 55																																	461	461	524	
54/ 53																																	350	350	510	
52/ 51																																	405	405	484	
50/ 49																																	405	405	436	
48/ 47																																	413	413	446	
46/ 45																																	410	410	465	
44/ 43																																	361	361	465	
42/ 41																																	398	398	438	
40/ 39																																	404	404	454	
38/ 37																																	454	454	462	
36/ 35																																	539	539	531	
34/ 33																																	567	567	584	
32/ 31																																	539	539	681	
Element (X)	ΣX																X̄		Mean No. of Hours with Temperature														σx		Total	
Rel. Hum.																																				
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

NAWEASERVCOM

PSYCHROMETRIC SUMMARY

5001

PSYCHROMETRIC SUMMARY JAN 68

5001

14855

GLENVIEW, ILLINOIS

73-77

ALL

STATION

STATION NAME

YEARS

MONTH

PAGE 2

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL D.B./W.B.	Wet Bulb	Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31					
30/ 29	.6	1.3	.7	.1														431	431	585	547	
28/ 27	.4	1.2	.5	.1														315	315	450	525	
26/ 25	.3	1.0	.4	.1														261	261	338	531	
24/ 23	.4	1.1	.3	.0														255	255	275	450	
22/ 21	.2	.9	.2															193	193	242	419	
20/ 19	.2	.7	.1															146	146	206	324	
18/ 17	.2	.7	.1															137	137	134	252	
16/ 15	.2	.5	.0															112	112	138	193	
14/ 13	.2	.5	.0															108	108	126	182	
12/ 11	.2	.6	.0															117	117	129	157	
10/ 9	.2	.5	.0															107	107	105	130	
8/ 7	.2	.5																101	101	99	152	
6/ 5	.2	.4	.0															81	81	96	111	
4/ 3	.1	.3	.0															54	54	68	107	
2/ 1	.1	.4	.0															72	72	64	102	
0/- 1	.2	.1	.0															46	46	61	81	
- 2/- 3	.1	.2																39	39	41	51	
- 4/- 5	.1	.0																16	16	26	58	
- 6/- 7	.1	.0																12	12	13	55	
- 8/- 9	.0																	7	7	8	50	
- 10/- 11	.1																	8	8	8	30	
- 12/- 13	.0																	3	3	3	33	
- 14/- 15	.0																	4	4	4	20	
- 16/- 17																					17	
- 18/- 19																		3			7	
- 20/- 21																					7	
- 22/- 23																					3	
- 24/- 25																					5	
- 26/- 27																					3	
- 28/- 29																					5	
- 30/- 31																					1	
TOTAL	10.428	.320	.013	.1	8.6	6.4	4.7	3.4	2.4	1.5	.8	.3	.1	.0	.0			14605	14608	14605	14605	

Element (X)	ΣX ²	ΣX	σ _x	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	79111911	1043223	71.4	14605	≤ 0 F	≤ 32 F	≥ 67 F	≥ 93 F	Total	
Dry Bulb	43262669	733739	50.2	14605	82.71897	42284.81	381.8	579.0	8760.0	
Wet Bulb	34799476	661598	45.3	14605	98.42330	11085.4	254.4	1.2	8760.0	
Dew Point	29055203	588595	40.3	14605	255.63107	4	585.6	91.2	8760.0	

Mean No. of Hours with Temperature

No. Obs.

σ_x

\bar{x}

$\sum x$

$\sum x^2$

Element (X)

Rel. Hum.

Dry Bulb

Wet Bulb

Dew Point

Total

NAVWEASERVCOM

MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

14855 GLENVIEW, ILLINOIS

73-77

STATION NAME YEARS

HRS.(L.S.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
00	20.9 13.970 155	27.6 12.371 155	37.8 10.614 155	46.0 11.850 150	54.6 9.251 155	64.2 7.531 150	70.6 6.155 155	68.9 6.151 155	60.7 7.875 150	50.4 9.245 155	39.3 13.154 150	26.2 11.986 155	47.4 19.364 1826
03	19.5 14.270 155	26.4 12.679 155	36.4 10.955 155	44.4 11.867 150	52.8 9.178 155	62.0 7.236 150	68.4 6.074 155	66.8 6.374 155	58.6 8.219 150	48.4 9.106 155	37.5 12.942 150	25.1 12.139 155	45.6 19.135 1826
06	18.3 14.566 155	25.7 13.046 155	35.1 10.867 155	43.7 11.410 150	53.5 9.021 155	63.5 6.800 150	68.6 5.464 155	66.0 6.003 155	57.5 8.533 150	47.2 9.084 155	36.2 13.033 150	24.5 12.360 155	45.1 19.472 1826
09	20.6 13.821 155	28.7 12.138 155	39.5 10.798 155	51.0 12.292 150	61.5 10.955 155	71.6 7.909 150	77.3 6.711 155	74.4 5.893 155	65.2 7.984 150	54.0 8.498 155	39.6 12.478 150	26.2 12.172 155	50.9 21.582 1826
12	25.5 12.889 155	33.5 11.704 155	43.7 11.929 155	54.9 13.838 150	65.0 12.336 155	75.4 8.926 150	81.4 7.384 155	78.7 7.023 155	69.6 8.617 150	59.7 10.066 155	44.6 12.540 150	30.5 12.034 155	55.3 21.682 1826
15	25.7 12.913 155	33.6 12.100 155	44.5 12.259 155	55.2 14.223 150	65.2 11.563 155	75.9 9.292 150	82.1 7.506 155	78.8 7.209 155	69.9 9.294 150	60.1 10.747 155	44.8 13.149 150	30.6 12.265 155	55.6 21.847 1826
18	23.3 13.269 155	30.7 11.827 155	41.5 11.413 155	52.4 14.038 150	61.8 11.055 155	73.0 9.172 150	79.4 7.125 155	75.9 6.886 155	66.2 8.151 150	55.9 9.764 155	42.1 12.863 150	28.5 12.386 155	52.7 21.482 1826
21	22.1 13.728 155	28.9 11.861 155	39.4 10.625 155	48.3 12.496 150	56.7 9.995 155	67.0 7.830 150	73.5 6.386 155	71.5 6.205 155	62.7 7.541 150	52.9 9.457 155	40.0 12.679 150	27.1 12.231 155	49.3 19.942 1826
ALL HOURS	22.0 13.883 1240	29.4 12.504 1128	39.7 11.593 1240	49.5 13.456 1200	58.9 11.491 1240	69.1 9.641 1200	75.2 8.455 1240	72.6 8.042 1240	63.8 9.382 1200	53.6 10.513 1240	40.5 13.147 1200	27.3 12.352 1240	50.2 20.945 14608

FORM

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

14855 GLENVIEW, ILLINOIS

73-77

STATION NAME

YEARS

HRS.(L.S.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
00	MEAN	19.6	25.6	35.1	41.7	50.3	59.4	65.3	64.7	56.4	47.1	36.6	24.9	44.0
	S. D.	13.493	11.641	9.799	10.115	8.517	6.662	5.406	5.789	7.606	8.313	12.580	11.495	17.959
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
03	MEAN	18.7	24.8	34.1	40.8	49.4	58.6	64.2	63.5	55.3	45.9	35.5	24.1	43.0
	S. D.	13.561	12.046	10.119	10.468	8.730	6.757	5.423	6.035	8.218	8.638	12.560	11.764	18.033
	TOTAL OBS	154	141	155	150	155	150	155	155	150	155	150	155	1825
06	MEAN	17.5	24.2	33.0	40.6	50.1	59.9	64.6	63.1	54.7	44.8	34.5	23.5	42.7
	S. D.	13.780	12.407	10.245	10.347	8.606	6.435	5.038	5.769	8.462	8.668	12.726	11.965	18.436
	TOTAL OBS	154	141	155	150	155	150	155	155	150	155	150	155	1825
09	MEAN	19.5	26.5	35.9	44.7	54.1	63.0	67.9	66.6	58.6	49.0	37.0	24.8	45.7
	S. D.	12.841	11.291	9.771	10.324	8.925	6.284	5.174	5.018	7.364	7.925	11.935	11.757	18.704
	TOTAL OBS	154	141	155	150	155	150	155	155	150	155	150	155	1825
12	MEAN	23.1	29.6	38.3	46.6	55.5	64.2	68.7	67.8	59.9	51.7	39.7	28.0	47.8
	S. D.	11.949	10.018	9.794	10.643	9.120	6.372	5.324	5.227	7.063	8.131	11.338	11.228	17.846
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
15	MEAN	23.2	29.7	38.7	46.5	55.5	64.1	68.7	67.8	59.8	51.6	39.6	28.1	47.9
	S. D.	12.005	10.127	9.663	10.553	8.635	6.550	5.252	5.237	7.034	8.343	11.561	11.449	17.788
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
18	MEAN	21.5	27.8	37.1	45.0	53.6	62.7	67.9	66.8	58.4	49.9	38.2	26.6	46.4
	S. D.	12.649	10.551	9.481	10.797	8.678	6.756	5.314	5.558	6.671	8.340	11.862	11.716	18.060
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
21	MEAN	20.7	26.6	36.2	43.0	51.3	60.3	66.3	65.6	57.1	48.6	37.0	25.6	44.9
	S. D.	13.236	11.007	9.519	10.624	8.296	6.658	5.340	5.681	7.047	8.300	12.112	11.754	17.886
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
ALL HOURS	MEAN	20.5	26.8	36.0	43.6	52.5	61.5	66.7	65.7	57.5	48.6	37.3	25.7	45.3
	S. D.	13.058	11.295	9.947	10.700	8.973	6.859	5.544	5.790	7.652	8.643	12.181	11.722	18.185
	TOTAL OBS	1237	1128	1240	1200	1240	1200	1240	1240	1200	1240	1200	1240	14605

NAVWEASERVCOM

MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

73-77

GLENVIEW, ILLINOIS

STATION

STATION NAME

YEARS

HRS.(LST.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
00	MEAN 14.9 S. D. 16.042 TOTAL OBS 155	20.7 13.398 141 155	30.7 11.243 155	36.5 11.005 150	46.4 9.694 155	56.1 7.437 150	62.4 6.085 155	62.4 6.481 155	53.3 8.713 150	43.7 9.200 155	32.5 14.029 150	21.3 13.037 155	40.2 19.220 1826
03	MEAN 14.0 S. D. 16.144 TOTAL OBS 154	20.5 13.600 141 155	30.0 11.245 155	36.5 11.202 150	46.2 9.731 155	56.4 7.376 150	61.8 5.951 155	61.6 6.537 155	52.8 9.297 150	43.2 9.408 155	32.1 13.793 150	20.8 13.312 155	39.8 19.315 1825
06	MEAN 12.9 S. D. 16.139 TOTAL OBS 154	20.2 13.912 141 155	29.5 11.363 155	36.9 11.203 150	47.0 9.670 155	57.5 7.009 150	62.3 5.624 155	61.5 6.234 155	52.6 9.227 150	42.4 9.473 155	31.5 13.971 150	20.3 13.442 155	39.7 19.676 1825
09	MEAN 14.5 S. D. 14.658 TOTAL OBS 154	21.3 12.725 141 155	30.4 11.457 155	37.8 11.636 150	47.9 10.473 155	57.7 7.607 150	62.8 6.627 155	62.3 6.227 155	53.7 8.960 150	44.2 9.449 155	33.1 13.211 150	21.2 13.335 155	40.7 19.362 1825
12	MEAN 16.4 S. D. 14.010 TOTAL OBS 155	22.1 11.450 141 155	30.9 11.234 155	37.8 12.191 150	48.0 10.818 155	57.1 8.161 150	61.8 7.228 155	62.0 6.812 155	52.9 9.215 150	44.5 10.007 155	33.2 13.099 150	22.7 12.983 155	40.9 18.740 1826
15	MEAN 16.3 S. D. 14.390 TOTAL OBS 155	22.0 11.406 141 155	30.8 10.932 155	37.3 12.048 150	47.5 10.674 155	56.7 8.687 150	61.5 6.989 155	61.8 6.884 155	52.6 8.880 150	43.9 10.282 155	32.5 13.287 150	22.8 13.298 155	40.6 18.698 1826
18	MEAN 15.8 S. D. 14.903 TOTAL OBS 155	21.5 12.140 141 155	30.7 10.888 155	36.7 12.364 150	46.5 10.962 155	55.9 8.719 150	61.6 7.207 155	61.7 7.253 155	52.7 8.308 150	44.2 10.152 155	32.7 13.456 150	22.2 13.520 155	40.3 18.892 1826
21	MEAN 15.6 S. D. 15.676 TOTAL OBS 155	21.3 12.771 141 155	31.5 11.040 155	36.9 11.828 150	46.6 9.503 155	55.7 8.158 150	62.2 6.452 155	62.2 6.749 155	53.0 8.353 150	44.4 9.361 155	32.4 13.781 150	21.8 13.497 155	40.4 18.976 1826
ALL HOURS	MEAN 15.1 S. D. 15.263 TOTAL OBS 1237	21.2 12.683 1128	30.6 11.159 1240	37.1 11.671 1200	47.0 10.197 1240	56.6 7.922 1200	62.1 6.540 1240	61.9 6.643 1240	52.9 8.858 1200	43.8 9.669 1240	32.5 13.552 1200	21.6 13.292 1240	40.3 19.112 16605

73-77

JAN

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00	100.0	100.0	100.0	99.4	96.1	91.6	73.5	48.4	21.3	78.4	155
	03	100.0	100.0	99.4	98.7	97.4	91.6	74.7	50.0	21.4	79.2	154
	06	100.0	99.4	99.4	98.7	97.4	92.9	76.6	49.4	22.1	79.2	154
	09	100.0	100.0	100.0	100.0	96.8	91.6	69.5	40.3	19.5	77.2	154
	12	100.0	100.0	100.0	99.4	93.5	67.1	46.5	21.3	9.7	69.2	155
	15	100.0	100.0	100.0	96.8	88.4	67.1	46.5	22.6	10.3	68.6	155
	18	100.0	100.0	100.0	99.4	94.2	81.9	61.9	30.3	11.0	73.6	155
	21	100.0	100.0	100.0	98.7	94.8	91.0	67.7	43.9	16.1	76.7	153
TOTALS		100.0	99.9	99.9	98.9	94.8	84.4	64.6	38.3	16.4	75.3	1237

73077

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF Obs.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00	100.0	100.0	100.0	100.0	97.2	87.2	66.0	40.4	11.3	75.8	141
	03	100.0	100.0	100.0	100.0	100.0	95.0	75.9	48.2	16.3	79.1	141
	06	100.0	100.0	100.0	100.0	99.3	93.6	80.9	49.6	17.0	80.0	141
	09	100.0	100.0	100.0	100.0	99.3	83.7	56.7	29.1	14.2	74.3	141
	12	100.0	100.0	99.3	92.9	82.3	58.2	31.9	18.4	9.9	64.9	141
	15	100.0	100.0	98.6	93.6	80.1	58.2	29.8	18.4	6.4	64.1	141
	18	100.0	100.0	100.0	98.6	91.5	68.8	47.5	24.1	12.1	70.0	141
	21	100.0	100.0	100.0	99.3	97.9	86.5	58.2	31.2	10.6	74.0	141
TOTALS		100.0	100.0	99.7	98.1	93.5	78.9	55.9	32.4	12.2	72.8	1128

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00	100.0	100.0	99.4	98.1	96.8	87.7	67.1	42.6	21.3	77.1	155
	03	100.0	100.0	100.0	99.4	97.4	90.3	74.2	44.5	24.5	78.8	155
	06	100.0	100.0	100.0	100.0	99.4	95.5	72.3	51.6	27.1	80.9	155
	09	100.0	100.0	100.0	99.4	92.9	72.3	45.2	27.1	18.1	71.3	155
	12	100.0	100.0	97.4	91.0	72.3	50.3	32.3	21.3	9.7	63.4	155
	15	100.0	100.0	96.8	83.2	68.4	53.5	29.7	19.4	9.7	61.8	155
	18	100.0	100.0	98.7	92.9	80.6	66.5	47.1	28.4	16.1	68.4	155
	21	100.0	100.0	99.4	98.1	92.9	80.0	58.1	40.6	25.2	75.2	155
TOTALS		100.0	100.0	99.0	95.3	87.6	74.5	53.3	34.4	19.0	72.1	1240

73-77

APR

STATION

STATION NAME

001030

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00	100.0	100.0	99.3	94.0	86.0	74.7	58.0	33.3	15.3	71.8	150
	03	100.0	100.0	100.0	97.3	93.3	79.3	67.3	38.7	21.3	75.8	150
	06	100.0	100.0	100.0	100.0	93.3	86.0	72.0	49.3	24.7	78.7	150
	09	100.0	100.0	100.0	96.7	71.3	51.3	34.0	18.0	8.0	63.0	150
	12	100.0	100.0	90.7	77.3	54.7	40.7	22.7	14.7	4.7	56.2	150
	15	100.0	96.7	88.0	71.3	56.7	39.3	24.0	14.0	8.0	55.2	150
	18	100.0	98.7	91.3	80.0	64.0	44.7	34.0	20.7	7.3	59.5	150
	21	100.0	99.3	98.7	91.3	82.0	62.7	44.7	26.0	10.7	67.4	150
TOTALS		100.0	99.3	96.0	87.7	75.2	59.8	44.6	26.8	12.5	66.0	1200

14855

GLENVIEW, ILLINOIS

73-77

MAY

STAYION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00	100.0	100.0	100.0	98.7	92.9	83.9	62.6	37.4	19.4	75.8	155
	03	100.0	100.0	100.0	100.0	96.8	91.0	74.8	49.0	22.6	79.6	155
	06	100.0	100.0	100.0	100.0	99.4	90.3	74.8	49.7	21.9	79.6	155
	09	100.0	100.0	98.7	91.6	73.5	49.0	36.8	18.7	11.0	63.9	155
	12	100.0	100.0	91.6	78.7	60.0	40.0	25.8	16.1	9.0	57.7	155
	15	100.0	99.4	92.3	76.6	53.5	34.8	25.8	16.8	7.7	56.5	155
	18	100.0	100.0	94.2	81.9	63.2	46.5	32.3	20.6	10.3	60.8	155
	21	100.0	100.0	99.4	93.5	88.4	71.6	52.3	31.6	18.1	71.5	155
TOTALS		100.0	99.9	97.0	90.2	78.5	63.4	48.2	30.0	15.0	68.2	1240

73-77

GLENVIEW, ILLINOIS

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00	100.0	100.0	100.0	100.0	96.7	86.0	63.3	41.3	17.3	76.5	150
	03	100.0	100.0	100.0	100.0	100.0	95.3	81.3	60.7	24.0	82.6	150
	06	100.0	100.0	100.0	100.0	100.0	96.7	81.3	54.7	24.0	81.6	150
	09	100.0	100.0	100.0	93.3	78.7	54.7	30.7	16.7	6.0	63.6	150
	12	100.0	100.0	96.0	78.7	56.7	35.3	21.3	12.7	4.7	55.8	150
	15	100.0	100.0	95.3	72.0	50.7	32.7	20.7	13.3	5.3	54.6	150
	18	100.0	100.0	96.7	78.0	60.0	47.3	26.0	15.3	5.3	58.3	150
	21	100.0	100.0	100.0	95.3	84.0	66.0	48.0	29.3	12.0	69.2	150
TOTALS		100.0	100.0	98.5	89.7	78.4	64.3	46.0	30.5	12.3	67.8	1200

14855 GLENVIEW, ILLINOIS

73-77

700

MONTH

PERIOD

STATION NAME

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00	100.0	100.0	100.0	100.0	99.4	91.6	69.7	36.8	10.3	76.1	155
	03	100.0	100.0	100.0	100.0	100.0	96.8	80.6	53.5	14.6	80.2	155
	06	100.0	100.0	100.0	100.0	100.0	98.1	85.8	52.9	14.6	81.0	155
	09	100.0	100.0	100.0	97.4	80.0	51.0	28.4	12.9	3.2	62.7	155
	12	100.0	100.0	98.7	80.6	49.7	28.4	14.2	5.8	.6	53.2	155
	15	100.0	100.0	98.1	75.5	44.5	25.2	11.0	2.6	1.9	51.5	155
	18	100.0	100.0	98.7	85.2	61.3	35.5	18.7	7.7	1.3	56.5	155
	21	100.0	100.0	100.0	99.4	92.3	72.9	44.5	20.0	6.5	69.1	155
TOTALS		100.0	100.0	99.4	92.3	78.4	62.4	44.1	24.0	6.7	66.3	1240

NAVWEASERVCOM

THE

RELATIVE HUMIDITY

14355

GLENVIEW, ILLINOIS

73-77

AUG

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00	100.0	100.0	100.0	100.0	99.4	96.8	83.2	52.9	14.2	80.5	155
	03	100.0	100.0	100.0	100.0	99.4	99.4	92.3	67.1	23.2	84.0	155
	06	100.0	100.0	100.0	100.0	100.0	100.0	91.6	77.4	32.9	86.1	155
	09	100.0	100.0	100.0	98.7	92.9	68.4	36.1	19.4	5.8	67.3	155
	12	100.0	100.0	100.0	92.3	68.4	36.1	19.4	10.3	3.2	58.3	155
	15	100.0	100.0	99.4	91.6	65.2	39.4	20.6	8.4	3.2	58.0	155
	18	100.0	100.0	99.4	93.5	81.3	52.3	31.0	16.1	4.5	63.4	155
	21	100.0	100.0	100.0	100.0	98.1	83.9	56.1	32.3	7.1	73.4	155
TOTALS		100.0	100.0	99.9	97.0	88.1	72.0	53.8	35.5	11.8	71.4	1240

73-77

5

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00	100.0	100.0	100.0	100.0	97.3	90.0	70.7	44.0	14.0	77.6	150
	03	100.0	100.0	100.0	100.0	99.3	94.0	80.0	62.0	20.7	81.5	150
	06	100.0	100.0	100.0	100.0	100.0	96.7	86.0	72.0	29.3	84.5	150
	09	100.0	100.0	100.0	100.0	86.7	70.0	42.0	16.7	8.0	67.8	150
	12	100.0	100.0	98.7	84.7	58.7	35.3	21.3	8.7	4.7	57.4	150
	15	100.0	100.0	98.7	82.7	58.0	35.3	16.7	13.3	4.7	56.6	150
	18	100.0	100.0	100.0	94.0	76.7	55.3	33.3	18.7	4.7	63.9	150
	21	100.0	100.0	100.0	100.0	93.3	79.3	54.0	32.7	8.7	72.2	150
TOTALS		100.0	100.0	99.7	95.2	84.0	69.5	50.8	33.5	11.9	70.2	1200

RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

14855 GLENVIEW, ILLINOIS 73-77 OCT MONTH

STATION NAME PERIOD

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00	100.0	100.0	100.0	100.0	94.8	87.1	74.2	45.8	28.4	79.2	155
	03	100.0	100.0	100.0	100.0	98.1	95.5	80.6	59.4	33.5	83.2	155
	06	100.0	100.0	100.0	99.4	99.4	96.8	84.5	63.2	34.2	84.5	155
	09	100.0	100.0	100.0	98.7	92.3	72.3	47.1	25.8	13.5	71.0	155
	12	100.0	100.0	98.1	85.8	63.2	44.5	28.4	15.5	7.1	59.8	155
	15	100.0	100.0	96.8	81.9	59.4	41.3	25.8	16.8	8.4	58.2	155
	18	100.0	100.0	99.4	93.5	77.4	60.0	43.9	27.1	12.3	67.3	155
	21	100.0	100.0	100.0	99.4	92.9	74.2	59.4	43.9	21.9	75.0	155
TOTALS		100.0	100.0	99.3	94.8	84.7	71.5	55.5	37.2	19.9	72.3	1240

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
DEC	00	100.0	100.0	100.0	100.0	99.4	96.8	81.9	59.4	26.5	82.3	155
	03	100.0	100.0	100.0	100.0	100.0	98.7	85.8	66.5	30.3	84.0	155
	06	100.0	100.0	100.0	100.0	100.0	98.7	87.1	65.8	34.8	84.3	155
	09	100.0	100.0	100.0	100.0	99.4	96.8	80.0	54.2	27.7	82.0	155
	12	100.0	100.0	100.0	100.0	94.8	83.2	53.5	32.3	16.8	73.8	155
	15	100.0	100.0	100.0	98.7	98.1	81.3	50.3	31.6	16.8	73.7	155
	18	100.0	100.0	100.0	100.0	98.1	92.3	69.0	44.5	16.8	77.9	155
	21	100.0	100.0	100.0	100.0	98.7	95.5	80.0	55.5	22.6	80.8	155
TOTALS		100.0	100.0	100.0	99.8	98.6	92.9	73.5	51.2	24.0	79.9	1240

RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

14855 GLENVIEW, ILLINOIS 73-77 ALL

STATION PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	99.9	99.9	98.9	94.8	84.4	64.6	38.3	16.4	75.3	1237
FEB		100.0	100.0	99.7	98.1	93.5	78.9	55.9	32.4	12.2	72.8	1128
MAR		100.0	100.0	99.0	95.3	87.6	74.5	53.3	34.4	19.0	72.1	1240
APR		100.0	99.3	96.0	87.7	75.2	59.8	44.6	26.8	12.5	66.0	1200
MAY		100.0	99.9	97.0	90.2	78.5	63.4	48.2	30.0	15.0	68.2	1240
JUN		100.0	100.0	98.5	89.7	78.4	64.3	46.6	30.5	12.3	67.8	1200
JUL		100.0	100.0	99.4	92.3	78.4	62.4	44.1	24.0	6.7	66.3	1240
AUG		100.0	100.0	99.9	97.0	88.1	72.0	53.8	35.5	11.8	71.4	1240
SEP		100.0	100.0	99.7	95.2	84.0	69.5	50.8	33.5	11.9	70.2	1200
OCT		100.0	100.0	99.3	94.8	84.7	71.5	55.5	37.2	19.9	72.3	1240
NOV		100.0	99.9	99.6	96.9	90.4	78.3	64.0	43.6	20.4	75.0	1200
DEC		100.0	100.0	100.0	99.8	98.6	92.9	73.5	51.2	24.0	79.9	1240
TOTALS		100.0	99.9	99.0	94.7	86.0	72.7	54.6	34.8	15.2	71.4	14605

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

14855
STATION

GLENVIEW, ILLINOIS

JAN 1973 - DEC 1977

JANUARY

ALL

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

TEMP.	NINW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46	5.3		6.3	6.3	43.8	37.5	6.3		50.0	2	.2
37 TO 41	3.3		5.3	5.3	15.3	37.9	10.5		5.3	16	1.3
32 TO 36	5.0	2.5	6.3	3.3	13.3	43.3	13.3		16.7	19	1.5
27 TO 31	3.9	4.9	10.7	7.3	12.5	20.0	27.5	5.0	7.5	30	2.4
22 TO 26	12.1	2.3	6.3	4.0	11.2	24.8	22.8	6.3	8.3	80	6.5
17 TO 21	13.5	2.5	4.3	1.8	13.2	17.8	31.6	7.5	5.2	206	16.6
12 TO 16	13.7	1.6	1.6	8.1	8.6	19.6	24.5	16.0	9.2	174	14.0
7 TO 11	19.7	.9	2.6	.9	3.4	10.3	31.6	15.3	9.7	163	13.1
2 TO 6	17.4	.9	.9		2.6	10.4	27.8	26.5	4.3	124	10.0
-3 TO 1	8.9	1.1			3.3	8.9	48.9	23.3	5.6	117	9.4
-8 TO -4	9.4			1.6	1.6	12.5	42.2	25.0	7.8	115	9.3
-13 TO -9							66.7	28.6	4.8	90	7.3
-18 TO -14							58.3	41.7		64	5.2
-23 TO -19							50.0	50.0		21	1.7
-28 TO -24								100.0		12	1.0
-33 TO -29										6	.5
-38 TO -34										1	.1
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVR											
TOTALS	10.6	2.0	4.4	3.5	8.5	18.2	29.8	15.3	7.7	1240	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

14855
STATION

GLENVIEW, ILLINOIS

STATION NAME

JAN 1973 - DEC 1977
YEARS

FEBRUARY
MONTH

ALL
HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76										1	.1
67 TO 71											
62 TO 66										6	.5
57 TO 61	8.3				33.3	16.7	83.3	8.3		12	1.1
52 TO 56					23.0	33.3	28.6	9.5	4.8	21	1.9
47 TO 51	4.7	2.3	4.7	9.3	23.3	27.9	25.6		2.3	43	3.8
42 TO 46	5.2	5.2	7.5	1.3	16.9	35.1	15.6	5.2	7.6	77	6.8
37 TO 41	5.6	7.2	16.0	5.6	6.4	19.2	20.0	10.4	9.6	125	11.1
32 TO 36	10.9	12.6	14.2	2.8	6.5	13.8	21.5	10.1	7.7	247	21.9
27 TO 31	8.9	10.9	18.2	4.2	2.6	12.0	19.8	9.9	13.5	192	17.0
22 TO 26	8.6	14.3	13.6	5.0	2.9	17.9	12.9	16.4	8.6	140	12.4
17 TO 21	21.4	4.8	3.6	4.8	6.0	13.1	22.6	16.7	7.1	84	7.4
12 TO 16	23.6	1.4			2.6	13.9	13.9	37.5	6.9	72	6.4
7 TO 11	14.0				1.8	10.5	17.5	49.1	7.0	57	5.1
2 TO 6	10.3				3.4	6.9	37.9	37.9	3.4	29	2.6
-3 TO 1	5.6				5.6	27.8	11.1	38.9	11.1	18	1.6
-8 TO -4								100.0		3	.3
-13 TO -9									100.0	1	.1
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	10.4	8.1	10.6	3.4	6.6	16.9	19.8	15.7	8.3	1128	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

14855
STATION

GLENVIEW, ILLINOIS

JAN 1973 - DEC 1977
YEARS

MARCH

ALL
HOURS (U.S.T.)

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
112 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61		1.9		2.1	20.0	100.0	33.3	2.1		1	.1
52 TO 56	3.5		6.3	13.2	34.0	46.7	10.6	3.8		6	.5
47 TO 51	3.7	5.6	11.1	14.8	8.3	21.3	16.7	8.3		15	1.2
42 TO 46	7.2	7.8	11.7	5.6	12.8	10.6	15.6	8.9		47	3.8
37 TO 41	7.1	18.4	23.6	7.5	4.2	4.7	10.4	13.7	6.3	53	4.3
32 TO 36	9.5	17.0	22.1	6.7	3.2	9.5	14.6	9.9	10.4	79	6.4
27 TO 31	12.9	17.5	9.9	2.3	1.8	4.1	16.4	13.5	21.6	108	8.7
22 TO 26	21.0	3.2			3.2	9.7	17.7	30.6	14.3	180	14.5
17 TO 21	27.3				3.0		24.2	36.4	9.1	212	17.1
12 TO 16	11.8				17.6	11.8	23.5	23.5	11.8	253	20.4
7 TO 11								100.0		171	13.8
2 TO 6										62	5.0
-3 TO 1										33	2.7
-8 TO -4										17	1.4
-13 TO -9										3	.2
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	8.5	10.9	13.0	7.0	6.5	13.5	14.5	12.2	11.6	1240	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

14955 STATION NAME GLENVIEW, ILLINOIS JAN 1973 - DEC 1977 MONTH APRIL ALL HOURS 0000-2300

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71	1.4										
62 TO 66	2.2										
57 TO 61	5.1	4.1									
52 TO 56	2.6	9.4									
47 TO 51	3.6	23.6									
42 TO 46	8.3	24.5									
37 TO 41	16.6	29.0									
32 TO 36	15.1	29.3									
27 TO 31	13.5	30.8									
22 TO 26	9.1										
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	7.5	17.3	13.2	7.1	10.9	13.2	11.5	6.6	12.8	1200	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

14855

GLENVIEW, ILLINOIS

STATION NAME

JAN 1973 - DEC 1977

YEARS

MAY

MONTH

ALL

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96					100.0					1	.1
87 TO 91			5.3	10.5	21.1	47.4	15.8			19	1.5
82 TO 86			6.7	13.3	6.7	36.7	23.3	13.3		30	2.4
77 TO 81		7.7	7.7	7.7	15.4	13.5	34.6	7.7	5.8	52	4.2
72 TO 76		5.6	15.7	7.9	4.5	24.7	32.6	5.6	3.4	89	7.2
67 TO 71		6.3	11.9	9.5	12.7	24.6	19.0	5.6	9.5	126	10.2
62 TO 66	2.0	10.6	17.2	3.3	11.3	13.2	22.5	7.9	11.9	151	12.2
57 TO 61	5.3	17.0	21.4	7.8	10.2	9.7	10.2	3.9	14.6	206	16.6
52 TO 56	5.7	19.9	20.9	6.6	4.3	7.1	10.4	7.6	17.5	211	17.0
47 TO 51	10.8	31.4	18.4	4.3		1.6	5.9	8.6	18.9	185	14.9
42 TO 46	13.9	25.9	12.0	2.8	1.9	1.9	11.1	4.6	25.9	108	8.7
37 TO 41	17.0	24.5	11.3			5.7	7.5	9.4	24.5	53	4.3
32 TO 36	11.1		11.1				11.1	11.1	55.6	9	.7
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	5.8	16.9	16.5	6.0	6.8	11.5	15.0	6.7	14.8	1240	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

14855
STATION

GLENVIEW, ILLINOIS

STATION NAME

JAN 1973 - DEC 1977

YEARS

JUNE

MONTH

ALL

HOURS (L.S.T.)

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91	4.4	2.2	2.2	4.4	33.3	34.3	33.3			3	.3
82 TO 86	1.1	5.3	7.4	6.4	8.9	40.0	33.3	4.4		45	3.6
77 TO 81	2.2	6.6	12.5	6.6	14.9	29.8	28.7	6.4		94	7.8
72 TO 76	4.3	9.1	12.0	3.8	13.2	22.1	28.7	4.4	3.7	136	11.3
67 TO 71	3.7	10.3	10.3	9.5	10.5	22.0	20.6	6.2	11.5	209	17.4
62 TO 66	6.5	8.4	11.6	5.1	11.2	16.8	16.4	4.7	16.8	214	17.8
57 TO 61	12.2	20.1	8.5	3.0	9.3	9.8	21.4	4.7	23.3	215	17.9
52 TO 56	20.4	25.8	3.2		3.7	7.9	14.0	1.2	29.3	164	13.7
47 TO 51	27.3	31.8	4.5		1.1	2.2	5.4	3.2	38.7	93	7.8
42 TO 46	20.0							4.5	31.8	22	1.8
37 TO 41								20.0	60.0	5	.4
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	6.9	11.5	9.6	5.2	9.2	16.3	19.5	4.5	17.4	1200	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

14855

STATION GLENVIEW, ILLINOIS

JAN 1973 - DEC 1977

MONTH JULY

ALL

HOURS (L.S.T.)

STATION NAME

YEARS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96	4.8	2.4	2.4	2.4	75.0	31.0	57.1	25.0		4	3
87 TO 91	7.6	1.1	8.7	1.1	9.8	23.9	39.1	2.4		42	3.4
82 TO 86	2.2	3.6	12.2	8.6	7.2	17.3	35.3	6.5	2.2	92	7.4
77 TO 81	3.3	8.8	15.1	7.5	7.5	19.7	20.9	9.4	4.3	139	11.2
72 TO 76	3.4	11.3	16.2	5.8	7.9	17.5	15.5	5.2	9.2	239	19.3
67 TO 71	11.7	15.8	12.1	3.8	7.5	6.3	12.5	3.8	17.2	291	23.5
62 TO 66	14.5	11.6	4.3	.7	4.3	2.9	13.0	5.8	26.7	240	19.4
57 TO 61	4.3	8.5	2.1		2.1	6.4	6.4	12.8	42.8	138	11.1
52 TO 56									57.4	47	3.8
47 TO 51									100.0	8	.6
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVR											
TOTALS	6.5	9.5	11.7	4.7	6.9	14.7	20.6	6.3	19.2	1240	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

14855
STATION

GLENVIEW, ILLINOIS

STATION NAME

JAN 1973 - DEC 1977

YEARS

AUGUST

MONTH

ALL

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101							100.0			1	.1
92 TO 96					5.3	66.7	25.0			12	1.0
87 TO 91	3.6	1.8			5.5	45.5	34.5	5.5	3.6	55	4.4
82 TO 86	2.0	3.0		4.0	13.0	36.0	32.0	7.0	1.0	100	8.1
77 TO 81	.5	3.2	14.4	4.2	13.4	31.5	17.6	6.0	9.3	216	17.4
72 TO 76	5.7	12.0	15.5	5.3	12.4	16.3	11.7	2.8	18.4	283	22.8
67 TO 71	8.5	14.1	12.0	8.5	9.5	11.6	9.2	5.6	21.1	284	22.9
62 TO 66	12.2	11.6	8.5	1.6	4.8	6.9	7.4	5.3	41.8	189	15.2
57 TO 61	23.1	1.3	2.6	1.3		7.7	7.7	6.4	50.0	78	6.3
52 TO 56	4.5						4.5	16.2	72.7	22	1.8
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	7.0	6.4	10.6	4.5	9.4	19.1	14.0	5.3	21.7	1240	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

14855
STATION

GLENVIEW, ILLINOIS

STATION NAME

JAN 1973 - DEC 1977
YEARS

SEPTEMBER

MONTH

ALL
HOURS (L.S.T.)

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86			2.9		30.8	38.5	30.8			13	1.1
77 TO 81	1.5		4.4		20.0	45.7	17.1	11.4	2.9	35	2.9
72 TO 76	4.1	4.9	9.0	4.1	26.5	36.8	26.5	4.4		68	5.7
67 TO 71	5.9	11.4	11.9	6.4	21.3	21.3	17.2	9.8	8.2	122	10.2
62 TO 66	7.5	15.4	15.0	7.5	15.8	13.9	14.9	7.4	10.4	202	16.8
57 TO 61	13.1	10.9	10.9	3.5	6.4	10.1	9.7	5.2	23.2	267	22.3
52 TO 56	16.8	10.6	5.6		8.1	6.1	11.4	11.4	24.5	229	19.1
47 TO 51	5.6		1.4		8.1	8.1	18.6	11.8	20.5	161	13.4
42 TO 46	13.6				2.8	4.2	12.5	31.9	41.7	72	6.0
37 TO 41							4.5	18.2	63.6	22	1.8
32 TO 36								16.7	83.3	9	.5
27 TO 31							33.3		66.7	3	.3
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR.											
TOTALS	8.5	9.3	9.5	4.2	11.5	13.1	14.3	10.1	19.5	1200	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

14855
STATION

GLENVIEW, ILLINOIS
STATION NAME

JAN 1973 - DEC 1977
YEARS

OCTOBER
MONTH

ALL
HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ESE & E	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +										
117 TO 121										
112 TO 116										
107 TO 111										
102 TO 106										
97 TO 101										
92 TO 96										
87 TO 91										
82 TO 86										
77 TO 81										
72 TO 76										
67 TO 71	1.1	1.1	6.3	4.3	34.8	32.6	13.0	2.2	4.3	7.4
62 TO 66		3.6	3.0	3.6	22.9	35.5	13.9	6.0	11.4	13.4
57 TO 61	4.7	9.4	2.7	4.0	13.4	20.1	16.8	8.1	20.8	12.0
52 TO 56	5.9	12.2	9.0	3.7	13.6	13.3	15.4	8.5	18.1	15.2
47 TO 51	14.2	13.8	8.1	5.7	5.7	7.3	13.0	11.7	20.6	19.9
42 TO 46	23.9	8.8	2.4	2.0	7.0	12.7	11.2	10.7	20.5	16.5
37 TO 41	11.2	7.9		7.9	9.0	9.0	13.5	20.2	30.3	7.2
32 TO 36	9.4			3.1	9.4	18.6	28.1	31.3	32	2.6
27 TO 31						36.4	18.2	45.5	11	.9
22 TO 26						50.0		50.0	2	.2
17 TO 21										
12 TO 16										
7 TO 11										
2 TO 6										
-3 TO 1										
-8 TO -4										
-13 TO -9										
-18 TO -14										
-23 TO -19										
-28 TO -24										
-33 TO -29										
-38 TO -34										
-43 TO -39										
-48 TO -44										
-53 TO -49										
-58 TO -54										
-59 & LWR										
TOTALS	9.4	8.3	4.6	3.5	14.6	18.0	14.0	9.7	18.1	1240 100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

14055
STATION

GLENVIEW, ILLINOIS

STATION NAME

JAN 1973 - DEC 1977

YEARS

NOVEMBER

MONTH

ALL
HOURS U.S.T.

WIND DIRECTION

TEMP.	NW & N	NNE & NE	E & ESE	ESE & SE	SSW & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66	1.0			3.5	37.5	50.0	12.5	8.3	8.3	8	.7
57 TO 61	2.6	5.1	1.3	1.3	16.7	41.7	25.0		15.8	12	1.0
52 TO 56		12.9	10.5	2.4	28.1	43.9	7.0		16.7	57	4.8
47 TO 51	3.1	5.2	3.1	9.4	15.4	41.0	14.1	2.6	16.7	78	6.5
42 TO 46	9.7	6.2	8.3	3.4	11.3	31.5	15.3	3.2	12.9	124	10.3
37 TO 41	13.9	1.0	1.5	3.1	15.6	19.8	19.8	5.2	18.8	96	8.0
32 TO 36	13.9	4.0	4.0	.5	12.4	15.2	23.4	9.0	12.4	145	12.1
27 TO 31	17.6		2.8	2.1	5.7	22.2	24.7	13.9	13.9	194	16.2
22 TO 26	21.4				11.4	11.4	24.9	20.4	9.5	201	16.8
17 TO 21	15.8				4.9	2.8	28.2	27.5	14.1	142	11.8
12 TO 16					4.3	2.9	34.3	21.4	15.7	70	5.8
7 TO 11					7.9		39.5	21.1	15.8	38	3.2
2 TO 6							25.0	33.3	33.3	12	1.0
-3 TO 1							69.2	30.8		13	1.1
-8 TO -4							71.4	28.6		7	.6
-13 TO -9							100.0			3	.3
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	10.1	3.7	3.8	2.5	10.6	18.2	24.0	13.8	13.5	1200	100.0

NAVWEASERVCOM

vs.

WIND DIRECTION

GLENVIEW, ILLINOIS

JAN 1973 - DEC 1977
YEARS

DECEMBER
MONTH

ALL

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	VNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	9.2	5.2	5.4	4.0	10.7	17.5	21.6	14.7	11.6	1240	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

14855
STATION

GLENVIEW, ILLINOIS

STATION NAME

JAN 1973 - DEC 1977

YEARS

ALL

MONTH

ALL

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101						60.0	20.0	20.0		5	.0
92 TO 96	3.4		1.7		6.9	37.9	48.3	1.7		58	.4
87 TO 91	4.9	.9	4.9	2.2	10.7	35.1	34.7	4.9	1.8	225	1.5
82 TO 86	1.4	2.4	7.1	6.2	11.9	30.0	30.5	8.3	2.1	420	2.9
77 TO 81	1.7	5.5	12.3	5.9	13.6	26.0	22.5	6.0	6.7	751	5.1
72 TO 76	3.7	8.9	13.1	4.9	13.1	21.8	16.8	4.9	12.7	1092	7.5
67 TO 71	6.0	10.5	10.6	7.2	13.8	17.1	14.0	4.8	16.1	1257	8.6
62 TO 66	6.2	8.9	9.2	4.1	12.8	16.9	14.1	5.0	22.7	1333	9.1
57 TO 61	8.5	10.7	9.4	4.9	10.8	14.8	12.4	6.1	22.3	1133	7.8
52 TO 56	7.2	12.6	10.9	5.2	10.1	14.9	13.4	7.5	18.3	1056	7.2
47 TO 51	8.3	15.4	9.9	8.1	7.3	11.0	12.5	9.2	18.3	978	6.7
42 TO 46	11.9	12.3	9.7	4.1	9.4	12.5	14.6	7.6	17.9	995	6.8
37 TO 41	9.8	12.0	11.6	5.4	6.4	13.4	16.0	10.8	14.6	1032	7.1
32 TO 36	10.5	12.1	12.6	4.2	7.4	13.5	17.4	10.7	11.6	1397	9.6
27 TO 31	12.6	8.2	7.9	3.7	6.7	10.4	21.2	14.0	15.2	994	6.8
22 TO 26	13.7	6.3	6.0	1.9	5.3	15.6	21.8	17.3	12.1	620	4.2
17 TO 21	15.6	1.6	1.3	1.9	7.5	12.9	30.6	19.4	9.1	372	2.5
12 TO 16	15.7	.7	1.4	.3	6.6	11.5	24.7	30.7	8.4	287	2.0
7 TO 11	12.8	.4	.4		3.9	8.5	27.9	36.8	9.3	258	1.8
2 TO 6	9.2	.6			2.3	6.9	43.1	32.2	5.7	174	1.2
-3 TO 1	6.8			.8	1.7	11.0	39.0	32.2	8.5	118	.8
-8 TO -4							56.3	40.6	3.1	32	.2
-13 TO -9							57.1	35.7	7.1	14	.1
-18 TO -14							50.0	50.0		6	.0
-23 TO -19								100.0		1	.0
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	8.3	9.3	9.4	4.6	9.5	15.8	18.2	10.0	14.7	14608	100.0

NAVWEASERVCOM

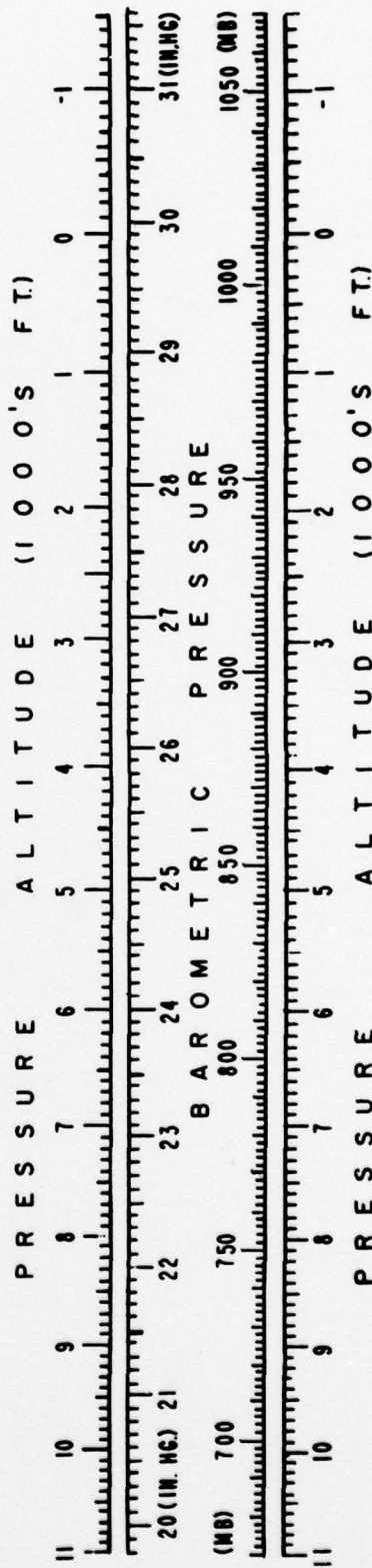
PART F

PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

73-77

GLENVIEW, ILLINOIS

YEARS

STATION NAME

HRS.(L.S.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
00	MEAN S. D. TOTAL OBS	29.33729 .271 155	29.31529 .269 141	29.24929 .256 155	29.30429 .240 150	29.25729 .169 150	29.30929 .110 155	29.35629 .109 155	29.35529 .149 150	29.38929 .187 155	29.32429 .234 150	29.31929 .236 155	29.31429 .211 1826
03	MEAN S. D. TOTAL OBS	29.34229 .272 155	29.30129 .281 141	29.23729 .263 155	29.29729 .241 150	29.24429 .175 150	29.30229 .114 155	29.34929 .114 155	29.35029 .150 150	29.38729 .191 155	29.32029 .236 150	29.31829 .240 155	29.30729 .216 1826
06	MEAN S. D. TOTAL OBS	29.34529 .266 155	29.30529 .287 141	29.25629 .266 155	29.31529 .250 150	29.26229 .184 150	29.32729 .116 155	29.37029 .117 155	29.37129 .150 150	29.40229 .195 155	29.32529 .238 150	29.31629 .243 155	29.32229 .218 1826
09	MEAN S. D. TOTAL OBS	29.37329 .267 155	29.32829 .288 141	29.27529 .259 155	29.32929 .260 150	29.27329 .179 150	29.33729 .118 155	29.38329 .118 155	29.39029 .150 150	29.41929 .198 155	29.34829 .237 150	29.33829 .247 155	29.33929 .220 1826
12	MEAN S. D. TOTAL OBS	29.35429 .263 155	29.32029 .276 141	29.26629 .259 155	29.31429 .263 150	29.26229 .183 150	29.32629 .119 155	29.37129 .115 155	29.37329 .150 150	29.39829 .196 155	29.32529 .233 150	29.31529 .248 155	29.32429 .218 1826
15	MEAN S. D. TOTAL OBS	29.32929 .264 155	29.29529 .262 141	29.23629 .253 155	29.28829 .257 150	29.23929 .177 150	29.30129 .117 155	29.34329 .112 155	29.34129 .149 150	29.36829 .192 155	29.31029 .226 150	29.29729 .242 155	29.29929 .212 1826
18	MEAN S. D. TOTAL OBS	29.34529 .266 155	29.31429 .253 141	29.24129 .244 155	29.28729 .246 150	29.22729 .170 150	29.28829 .113 155	29.33229 .108 155	29.33929 .146 150	29.37929 .187 155	29.32629 .222 150	29.31729 .234 155	29.30229 .208 1826
21	MEAN S. D. TOTAL OBS	29.34629 .275 155	29.32529 .254 141	29.25429 .247 155	29.31029 .239 150	29.25029 .164 150	29.30929 .107 155	29.35329 .106 155	29.35529 .151 150	29.39029 .188 155	29.33429 .226 150	29.31729 .207 1826	29.31729 .207 1826
ALL HOURS	MEAN S. D. TOTAL OBS	29.34629 .268 1240	29.31329 .271 1128	29.25229 .255 1240	29.30629 .249 1200	29.25029 .176 1240	29.31229 .115 1240	29.35729 .113 1240	29.35929 .150 1200	29.39229 .192 1240	29.32729 .231 1200	29.31829 .239 1240	29.31529 .214 16608

MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

14855 GLENVIEW, ILLINOIS

73-77

STATION NAME

YEARS

HRS.(L.S.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
00	MEAN S. D. TOTAL OBS	1017.9 9.569 155	1016.9 9.453 141	1014.3 9.047 155	1013.8 8.419 150	1013.7 5.905 155	1015.5 3.823 155	1017.2 3.825 155	1017.4 5.196 150	1018.8 6.555 155	1016.9 8.244 150	1017.1 8.334 155	1016.3 7.417 1826
03	MEAN S. D. TOTAL OBS	1018.1 9.631 155	1016.5 9.921 141	1013.9 9.261 155	1013.8 8.464 150	1013.4 6.144 155	1015.2 3.994 155	1016.9 3.975 155	1017.2 5.222 150	1018.7 6.731 155	1016.7 8.303 150	1017.1 8.424 155	1016.1 7.593 1826
06	MEAN S. D. TOTAL OBS	1018.2 9.439 155	1016.6 9.162 141	1014.5 9.288 155	1016.4 8.784 150	1014.2 6.432 155	1016.2 4.051 155	1017.7 4.072 155	1018.0 5.298 150	1019.3 6.839 155	1017.0 8.369 150	1017.0 8.538 155	1016.6 7.681 1826
09	MEAN S. D. TOTAL OBS	1019.2 9.493 155	1017.4 9.153 141	1015.3 9.120 155	1016.9 9.087 150	1014.6 6.483 155	1016.5 4.102 155	1018.1 4.110 155	1018.6 5.262 150	1019.9 6.930 155	1017.7 8.358 150	1017.8 8.598 155	1017.2 7.739 1826
12	MEAN S. D. TOTAL OBS	1018.4 9.371 155	1017.1 9.742 141	1014.9 9.154 155	1016.4 9.207 150	1014.3 6.407 155	1016.1 4.134 155	1017.7 4.029 155	1018.0 5.257 150	1019.1 6.871 155	1016.9 8.192 150	1016.9 8.701 155	1016.6 7.660 1826
15	MEAN S. D. TOTAL OBS	1017.6 9.314 155	1016.2 9.287 141	1013.9 8.948 155	1015.4 9.016 150	1013.5 6.171 155	1015.2 4.100 155	1016.7 3.938 155	1016.9 5.224 150	1018.1 6.747 155	1016.4 7.952 150	1016.3 8.487 155	1015.8 7.473 1826
18	MEAN S. D. TOTAL OBS	1018.2 9.432 155	1016.9 8.952 141	1014.1 8.637 155	1015.5 8.636 150	1013.2 5.914 155	1014.8 3.906 155	1016.4 3.786 155	1016.9 5.131 150	1018.5 6.598 155	1017.0 7.812 150	1017.1 8.224 155	1015.9 7.347 1826
21	MEAN S. D. TOTAL OBS	1018.3 9.729 155	1017.3 8.956 141	1014.5 8.802 155	1016.2 8.352 150	1013.9 5.764 155	1015.5 3.744 155	1017.1 3.723 155	1017.4 5.281 150	1018.9 6.623 155	1017.3 8.001 150	1017.3 8.057 155	1016.4 7.313 1826
ALL HOURS	MEAN S. D. TOTAL OBS	1018.2 9.481 1249	1016.9 9.567 1128	1014.4 9.021 1240	1016.1 8.738 1200	1013.9 6.156 1240	1015.6 4.008 1240	1017.2 3.961 1240	1017.5 5.250 1200	1018.9 6.738 1240	1017.0 8.141 1200	1017.1 8.407 1240	1016.4 7.540 14608